



BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

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[www.miamidade.gov/building/home/asp](http://www.miamidade.gov/building/home/asp)

## NOTICE OF ACCEPTANCE (NOA)

**WinDoor, Incorporated**  
7500 Amsterdam drive  
Orlando, Florida, 32832

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County BNC -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: Series "9050" Single Aluminum Outswing Terrace Door-LMI

**APPROVAL DOCUMENT:** Drawing No. **08-01151**, titled "Series 9050 Thermally Broken Aluminum Outswing Terrace Door", sheets 1 through 14 of 14, prepared by manufacturer, dated 11/09/10 and last revised on 06/21/11, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

#### Limitation:

1. See Design Pressures tables Vs sill types in sheets 1 and 2
2. See locking points Vs Door sizes in sheets 10 & 11
3. Door sill to be set with 3/16" continuous full width construction sealant, compatible to the substrate with min 18 #/in (PLI) durable shear strength.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and Series/Model and following statement: "Miami-Dade County Product Control Approved", as noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

NOA No 11-0525.04

Expiration Date: August 25, 2016

Approval Date: August 25, 2011

Page 1

8/15/11  
**MIAMI-DADE COUNTY**  
APPROVED

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **08-01151**, titled "Series 9050 Thermally Broken Aluminum Outswing Terrace Door", sheets 1 through 14 of 14, prepared by manufacturer, dated 11/09/10 and last revised on 06/21/11, signed and sealed by Luis R. Lomas, P.E.

**B. TESTS**

1. Test reports on:
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with marked-up drawings and installation diagram of Aluminum outswing/Inswing Doors, prepared by National Certified Testing Laboratories Inc, Test Report No. **NCTL-210-3653-1** dated 10/15/10, signed & sealed by Gerald J, Ferrara, P.E.

(Note: This test reports have addendum letters dated 03/28/11, issued by National Certified Testing Laboratories Inc., signed & sealed by Gerald J, Ferrara, P.E.)

**C. CALCULATIONS**

1. Anchor verification calculations, structural & comparative analysis, complying with FBC-2007, dated 05/18/2011 and last revised on 06/21/2011, prepared, signed and sealed by Luis R. Lomas, P.E.,
2. Glazing complies w/ ASTM E-1300-02 & -04

**D. QUALITY ASSURANCE**

1. Miami Dade Building and Neighborhood Compliance Department (BNC).

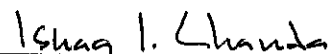
**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **07-1116.04** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass ® Plus**", expiring on 01/14/12.
2. Test report No. **ETC-07-1043-19094-0** per **ASTMG-26-95** (4500 Xenon Arc) & **ASTMD-638** dated 02/18/08, issued by ETC Laboratories, issued to Technoform for Polyimide plastic strut.
3. Test report No. **ATI-61261.01-106-18** per **ASTMD-2843-99** (Smoke density) & **ASTMD-635**(Rate of burning) dated 12/14/05, issued by Architect Testing, issued to Technoform for Polyimide plastic strut.

**F. STATEMENTS**

1. Statement letters of conformance and "No financial interest", dated Nov 09, 2010, signed and sealed by Luis R. Lomas, P.E.
2. Test lab compliance statement, part of the above referenced reports.
3. Statement addendum letters dated 03/28/11, issued by National Certified Testing Laboratories Inc., signed & sealed by Gerald J, Ferrara, P.E.

**G. OTHER**



Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 11-0525.04

Expiration Date: August 25, 2016

Approval Date: August 25, 2011

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MARCH 08, 2011	04/07/11	R.L.
B	REVISED PER MD COMMENTS	06/15/11	R.L.

NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- 2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3) 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 4) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 5) FRAME AND PANEL MATERIAL: EXTRUDED THERMALLY BROKEN ALUMINUM 6063--T6.
- 6) UNITS MUST BE GLAZED PER ASTM E1300 SEE SHEET 3 FOR GLAZING OPTIONS.
- 7) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 8) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK UP TO 1/4".
- 9) FOR ANCHORING INTO CONCRETE/MASONRY USE 1/4" ITW TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS, IN THIS DRAWING SET.
- 10) FOR ANCHORING INTO WOOD FRAMING, 2X BUCK OR 2X BACKED 20GA. STEEL FRAMING USE #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS, IN THIS DRAWING SET.
- 11) ALL FASTENERS TO BE CORROSION RESISTANT.
- 12) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
  - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
  - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
  - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
  - D. STEEL FRAMING - 2X BACKED 20GA., .039" MINIMUM.
- 13) MAXIMUM PANEL SIZE: 42" x 118 1/2"
- 14) RIGHT HAND SHOWN. LEFT HAND MODELS ALSO APPROVED.
- 15) DOOR SILL TO BE SET IN A FULL WIDTH, CONTINUOUS 3/16" THICK BED OF SEALANT EQUAL TO OR BETTER THAN C.R. LAURENCE M64 POLYURETHANE CONSTRUCTION SEALANT HAVING 18 #/IN (PLI) SHEAR STRENGTH. COMPATIBILITY OF ALUMINUM DOOR SILL, SEALANT AND ADJACENT SUBSTRATE TO BE DETERMINED BY ARCHITECT OF RECORD.

**TABLE #1**  
**Maximum design pressure capacity chart (psf)**  
**Series 9050 Terrace OS Door with Standard Sill**

Frame Height (in)	Frame Panel width (in)							
	28.0		34.0		40.0		46.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	120.0	150.0	120.0	150.0	120.0	138.0	113.5	120.0
84.0	120.0	150.0	120.0	150.0	120.0	138.0	111.3	120.0
96.0	120.0	150.0	120.0	150.0	117.4	138.0	106.3	120.0
108.0	120.0	150.0	120.0	150.0	114.1	136.9	102.7	120.0
120.0	120.0	150.0	120.0	150.0	111.6	133.9	100.0	120.0

MAXIMUM PANEL WIDTH  
FOR EGRESS APPLICATION PER FBC  
TO BE REVIEWED BY  
AUTHORITY HAVING JURISDICTION.

**TABLE #1A**  
**Number of anchor locations required.**

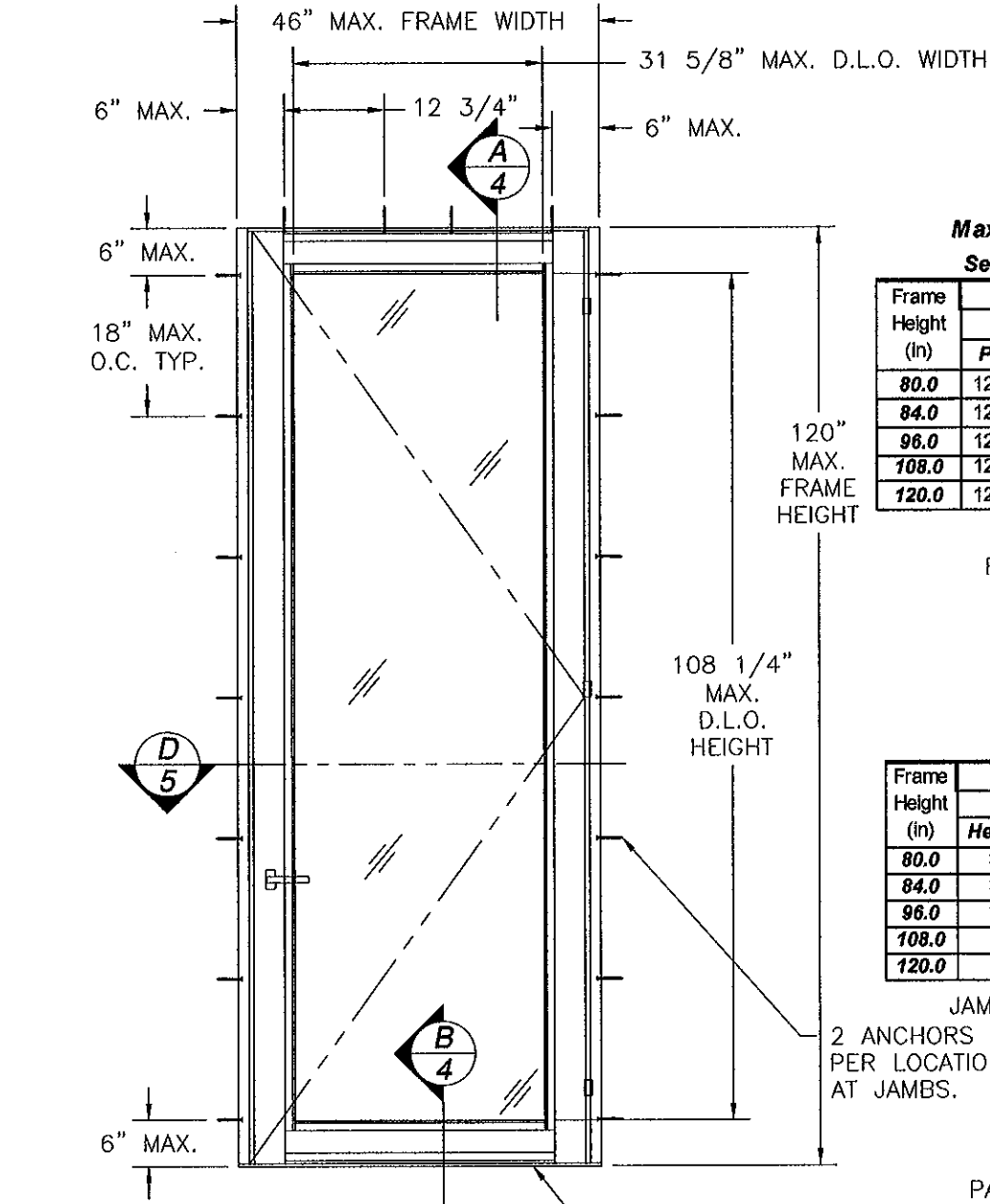
Frame Height (in)	Frame Panel width (in)							
	28.0		34.0		40.0		46.0	
	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb
80.0	3	5	3	5	4	5	4	5
84.0	3	5	3	5	4	5	4	5
96.0	3	6	3	6	4	6	4	6
108.0	3	7	3	7	4	7	4	7
120.0	3	7	3	7	4	7	4	7

JAMBS USE (2) ANCHORS PER LOCATION.

2 ANCHORS  
PER LOCATION  
AT JAMBS.

PANEL SIZE FORMULA:  
PANEL HEIGHT = FRAME HEIGHT - 1.5"  
PANEL WIDTH = FRAME WIDTH - 4.0"

D.L.O. FORMULA WITH STANDARD BOTTOM RAIL:  
D.L.O. HEIGHT = FRAME HEIGHT - 11.75"  
D.L.O. WIDTH = FRAME WIDTH - 14.375"



**SERIES 9050 THERMALLY BROKEN ALUMINUM  
OUTSWING TERRACE DOOR WITH STANDARD SILL**  
STANDARD BOTTOM RAIL SHOWN, TALL BOTTOM RAIL OPTIONAL  
EXTERIOR VIEW

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1 - 2	ELEVATIONS, ANCHORING LAYOUTS AND NOTES
3	BILL OF MATERIALS AND GLAZING OPTIONS
4 - 5	CROSS SECTIONS
6 - 9	INSTALLATION DETAILS
10 - 11	HARDWARE LAYOUTS
12 - 14	COMPONENTS

Approved as complying with the  
Florida Building Code  
Date: AUG 25, 2011  
NOAA 11-0625.04  
Official Date Product Control  
By: Isag L. Llanos

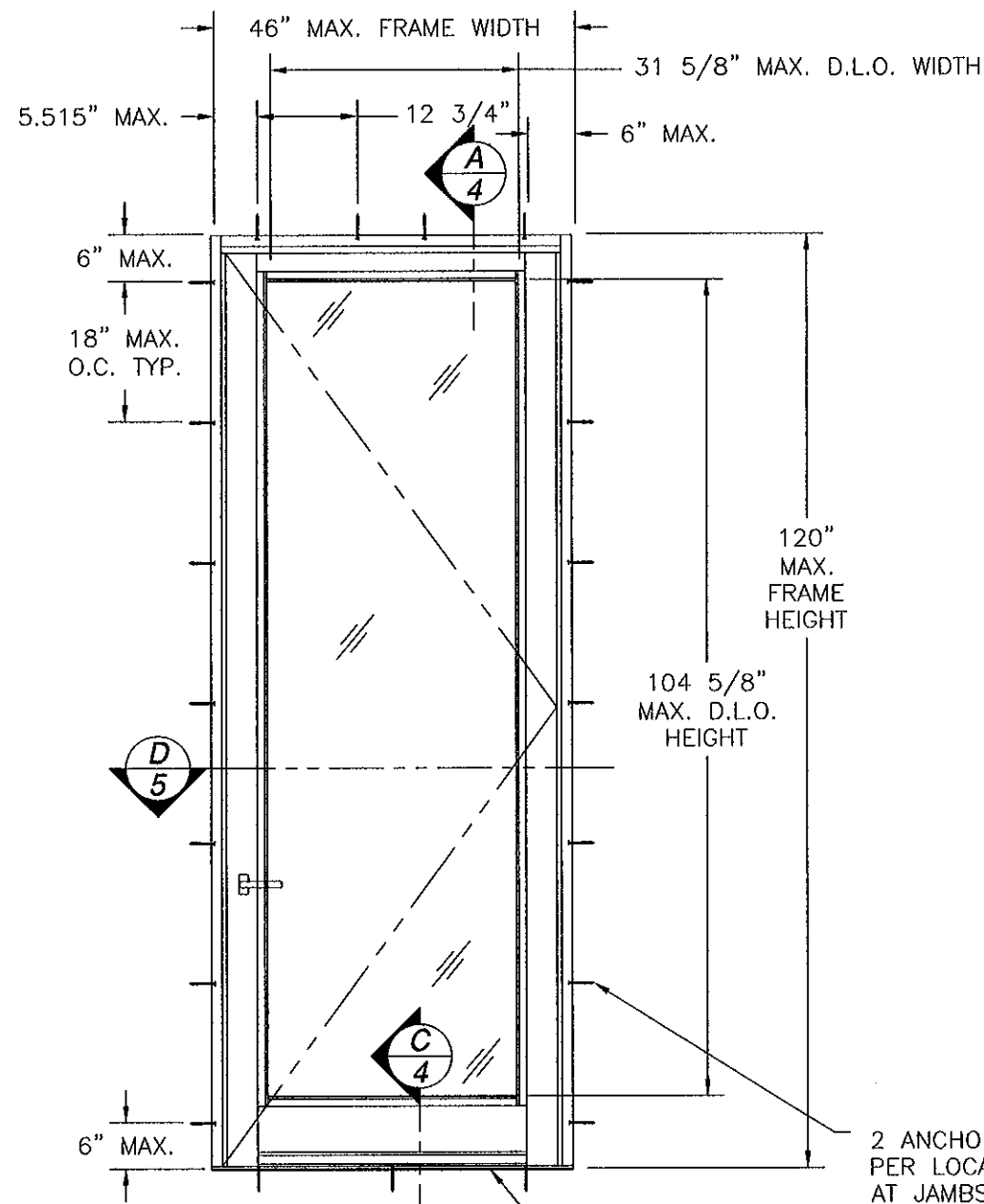
**WinDoor**  
**INCORPORATED**

7500 AMSTERDAM DRIVE  
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www.windoorinc.com

SERIES 9050 THERMALLY BROKEN ALUMINUM  
OUTSWING TERRACE DOOR - LMI  
ELEVATION, ANCHORING LAYOUT AND NOTES

DRAWN: TJH	DWG NO. 08-01151	REV B
SCALE NTS	DATE 11/09/10	SHEET 1 OF 14

Luis R. Lomas P.E.  
Florida No. 62514



SEE NOTE 15  
SHEET 1

**SERIES 9050 THERMALLY BROKEN ALUMINUM  
OUTSWING TERRACE DOOR  
WITH ADA SILL AND TALL BOTTOM RAIL  
EXTERIOR VIEW**

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MARCH 08, 2011	04/07/11	R.L.
B	REVISED PER MD COMMENTS	06/15/11	R.L.

**TABLE #2**  
**Maximum design pressure capacity chart (psf)**  
**Series 9050 Terrace OS Door with ADA Sill**

Frame Height (in)	Frame Panel width (in)							
	28.0		34.0		40.0		46.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	80.0	150.0	80.0	149.0	80.0	126.0	80.0	110.0
84.0	80.0	150.0	80.0	149.0	80.0	126.0	80.0	110.0
96.0	80.0	150.0	80.0	146.2	80.0	126.0	80.0	110.0
108.0	80.0	150.0	80.0	142.8	80.0	125.5	80.0	110.0
120.0	80.0	150.0	80.0	140.2	80.0	122.7	80.0	110.0

MAXIMUM PANEL WIDTH FOR EGRESS APPLICATION PER FBC  
TO BE REVIEWED BY AUTHORITY HAVING JURISDICTION.

**TABLE #2A**  
**Number of anchors required per comparative analysis.**

Frame Height (in)	Frame Panel width (in)							
	28.0		34.0		40.0		46.0	
	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb
80.0	3	5	3	5	4	5	4	5
84.0	3	5	3	5	4	5	4	5
96.0	3	6	3	6	4	6	4	6
108.0	3	7	3	7	4	7	4	7
120.0	3	7	3	7	4	7	4	7

JAMBS USE (2) ANCHORS PER LOCATION.

PANEL SIZE FORMULA:

PANEL HEIGHT = FRAME HEIGHT - 1.5"

PANEL WIDTH = FRAME WIDTH - 4.0"

D.L.O. FORMULA WITH STANDARD BOTTOM RAIL:

D.L.O. HEIGHT = FRAME HEIGHT - 15.375"

D.L.O. WIDTH = FRAME WIDTH - 14.375"

D.L.O. FORMULA WITH TALL BOTTOM RAIL:

D.L.O. HEIGHT = FRAME HEIGHT - 11.812"

D.L.O. WIDTH = FRAME WIDTH - 14.375"

Approved as complying with the  
Florida Building Code  
Date 8/25/11  
NOA# 11-0525-04  
Miami Code Product Control  
By Isling J. Chandra

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**INCORPORATED**

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SERIES 9050 THERMALLY BROKEN ALUMINUM  
OUTSWING TERRACE DOOR - LMI  
ELEVATIONS AND ANCHORING LAYOUTS

DRAWN: TJH  
SCALE NTS  
DWG NO. 08-01151  
DATE 11/09/10  
REV B  
SHEET 2 OF 14

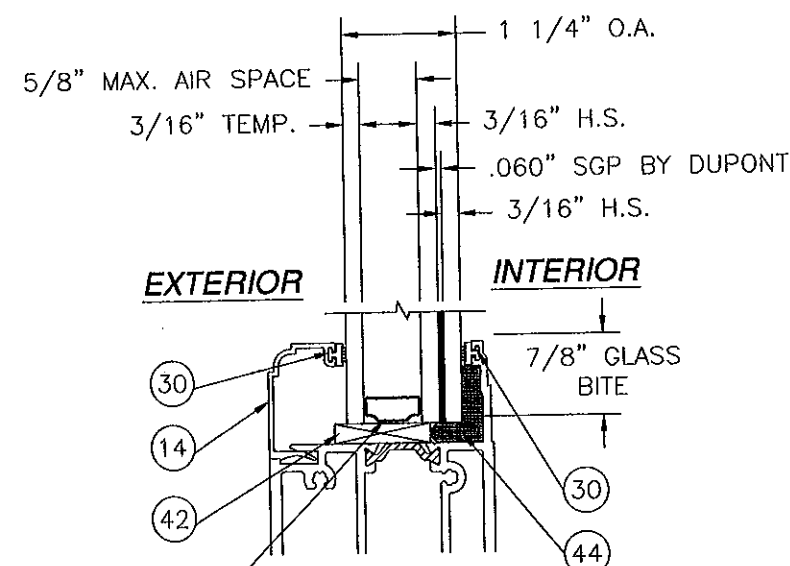
*[Signature]*  
Luis R. Lomas P.E.  
Florida No. 62514

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	905A11	FRAME JAMB ASS'Y OUTSWING	KEYMARK	ALUMINUM 6063-T6
2	905A12	FRAME HEAD & STANDARD SILL ASS'Y	KEYMARK	ALUMINUM 6063-T6
3	S46079	ADA SILL ASS'Y W/URITHANE BREAK	KEYMARK	ALUMINUM 6063-T6
5		NOT USED		
7		NOT USED		
9		NOT USED		
10	905A09	ADA BOTTOM RAIL ADAPTER ASS'Y	KEYMARK	ALUMINUM 6063-T6
11	S46080	EURO FRAME GROOVE COVER	KEYMARK	ALUMINUM 6063-T6
12	S46085	JAMB & HEAD COVER PLATE	KEYMARK	ALUMINUM 6063-T6
13	S46086	STANDARD SILL COVER PLATE	KEYMARK	ALUMINUM 6063-T6
14	S46084	GLASS STOP 1.25	KEYMARK	ALUMINUM 6063-T6
15	52105	SPONGE WITH ADHESIVE BACK		EDPM
16	00598N	FLASH XXL DOOR HINGE	GIESSE	
17	00599	HINGE COVER	GIESSE	
18	04650	LEVER ACTIVATED GEAR BOX - 45MM	GIESSE	
19	4637	6131 W/KEY & THUMB TURN	GIESSE	
20	4636	3161 W/ KEY & THUMB TURN	GIESSE	
21	02472	PRIMA COUPLE DOOR HANDLE	GIESSE	
22	1315-MC2	LOCKING PLATES	ADVANTAGE MFG.	
23	1335-1	EUROGROOVE KEEPERS	ADVANTAGE MFG.	
24	04019	CORNER DRIVE	GIESSE	
25	04655	STRIKE PLATE	GIESSE	
26	01362N	ADJUSTABLE STRIKER	GIESSE	
27	03524	CONNECTING ROD	GIESSE	
28	1445	SNUBBER DRIVE	ADVANTAGE MFG.	
30	TP1046	#7 GLAZING VINYL		VINYL
31		#8 x 1" PH SQ. DR. L-POINT		STAINLESS STEEL
32		#8 x 1" PFH SMS SCREW		STAINLESS STEEL
33	131022	#10 x 1 1/4" PH SQ. DR. L-POINT	CORNER CONSTR.	STAINLESS STEEL
34		#10 x 1 1/4" PFH SELF DRILLING		STAINLESS STEEL
35	5-3820-RB-1	STILE & RAIL FLANGE WEATHERSTRIP	LAUREN MFG.	
36	4-2709	TOP & BOTTOM RAIL WEATHERSTRIP	LAUREN MFG.	
37	905VP-22-SEAL	SPONGE SEAL	LAUREN MFG.	EDPM
38		NOT USED		
40	8303-01-00	FLEX COEX BOTTOM SWEEP	TRELLBORG	RIGID PVC

ITEMS 4,6,8,29, AND 39 ARE NOT USED.

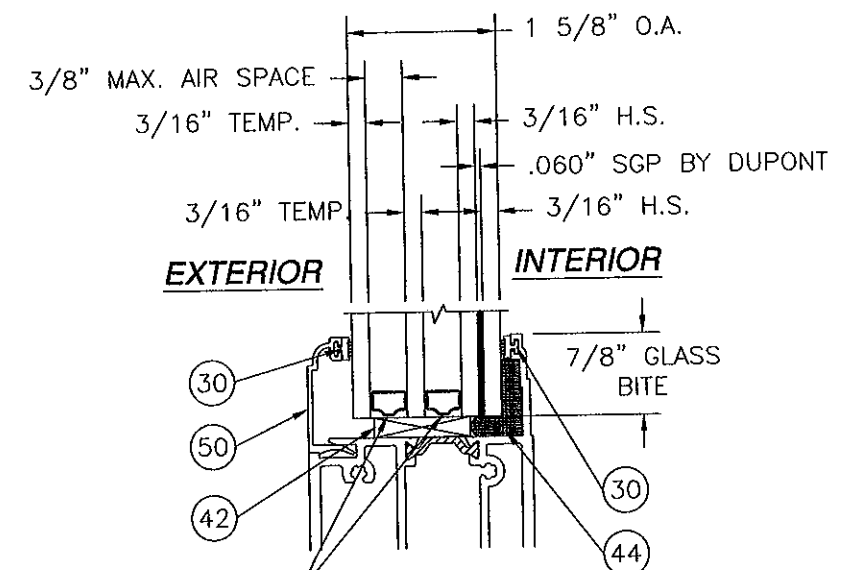
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PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
41	TP-448	FILLER STRIP	TEAM PLASTICS	PVC 92 DUROMETER
42	SETTING BLOCK	GLASS SHIM 1/4" x 3/4" x 1"		NEOPRENE 80D
43	FG0015011	#3 S OR EQUIVALENT JOINT SEALANT	C.R. LAWRENCE	SILICONE
44	SIKAFAST552	GLAZING COMPOUND	SIKA CORP.	URETHANE
45		#10 x 3/4" PPH SCREW		STAINLESS STEEL
46		#10 x 1 1/2" PPH SCREW		STAINLESS STEEL
47		#10 x 2" FH TEK SCREW		STAINLESS STEEL
48		14mm STRUT	TECHNOFORM US	POLYIMIDE 66-GF25
49		20mm STRUT	TECHNOFORM US	POLYIMIDE 66-GF25
50	S46083	GLASS STOP 1.625	KEYMARK	ALUMINUM 6063-T6



ALUMINUM AIR SPACER  
5/8"W X 1/4"H X .015" T  
BY HELMA

**GLAZING A**



ALUMINUM AIR SPACER  
3/8"W X 1/4"H X .015" T  
BY HELMA

**GLAZING B**

Approved as complying with the  
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Date: 8/25/11  
NOA# 11-0525-04  
Miami Code Product Control  
By: [Signature]

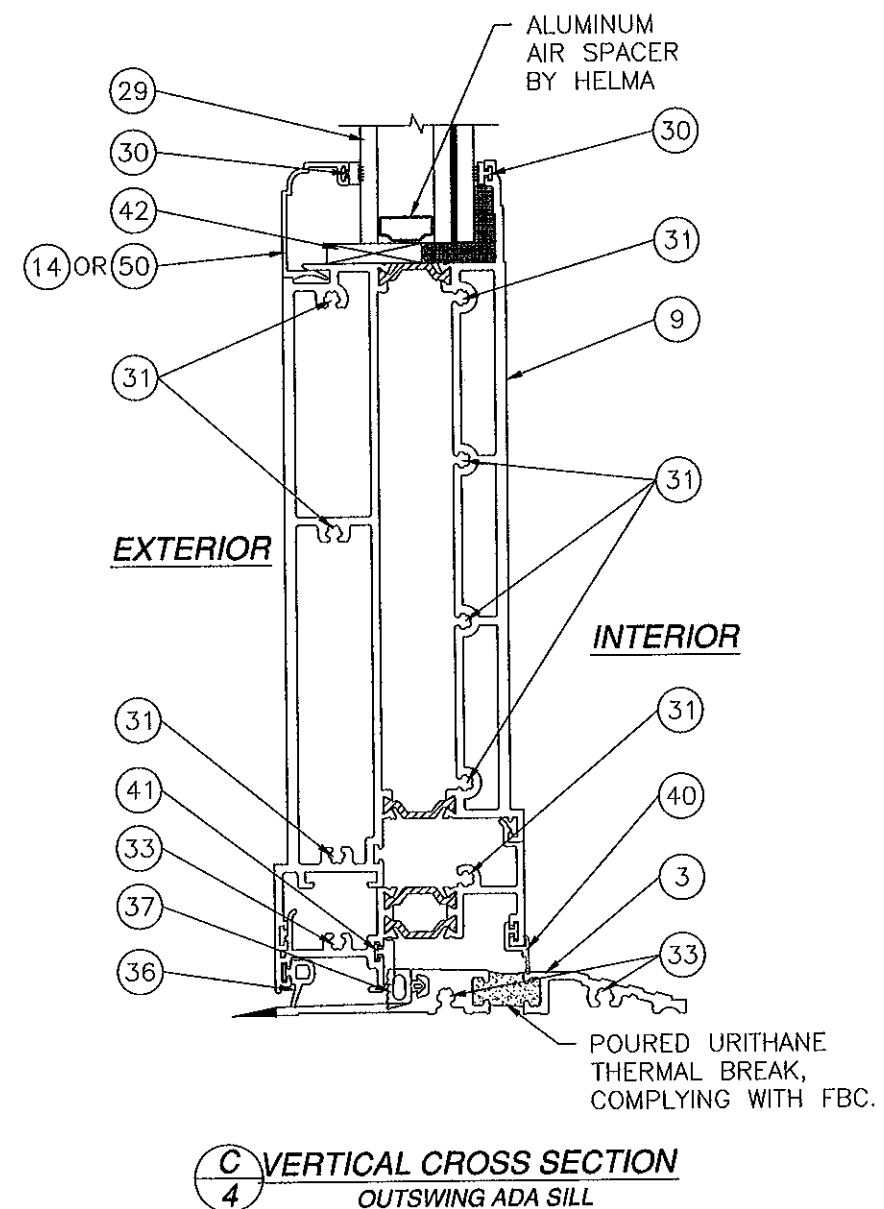
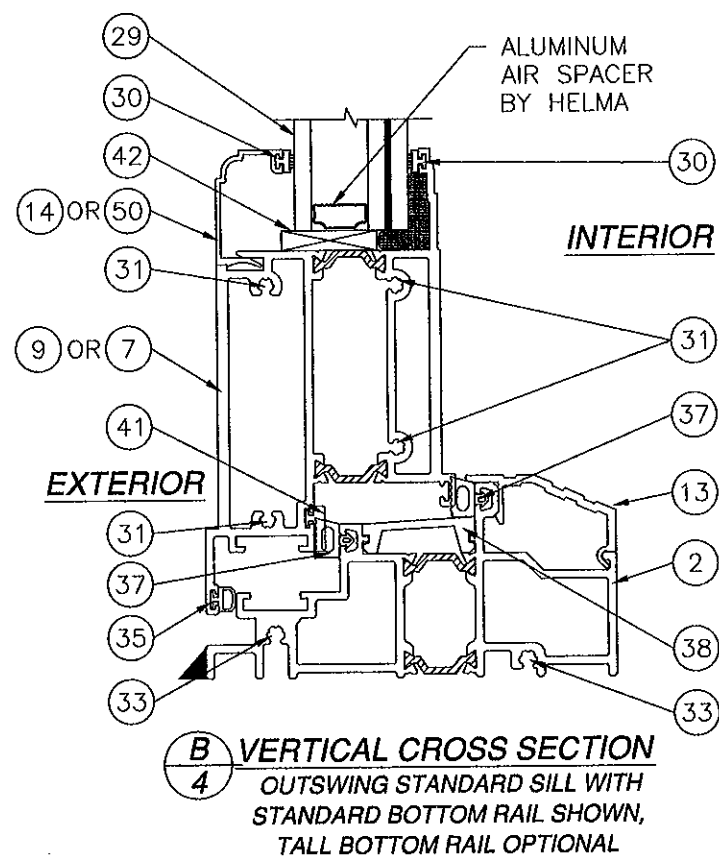
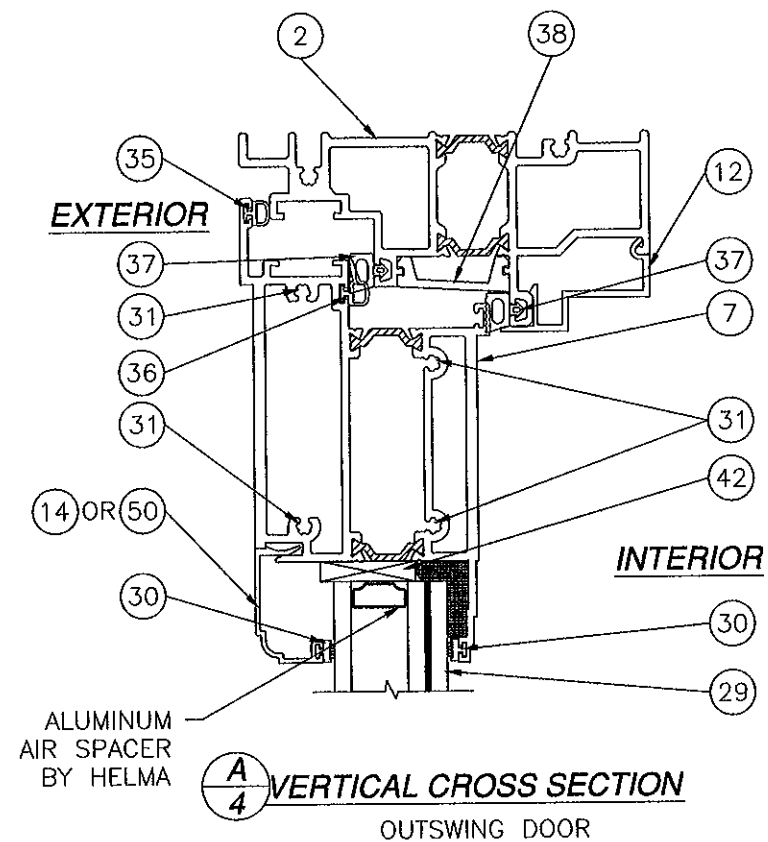
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SERIES 9050 THERMALLY BROKEN ALUMINUM  
OUTSWING TERRACE DOOR - LMI  
BILL OF MATERIALS AND GLAZING OPTIONS

DRAWN: TJH  
DWG NO. 08-01151  
SCALE NTS  
DATE 11/09/10  
SHEET 3 OF 14  
REV B

[Signature]  
Luis R. Lomas P.E.  
Florida No. 62514



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Luis R. Lomas

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INCORPORATED

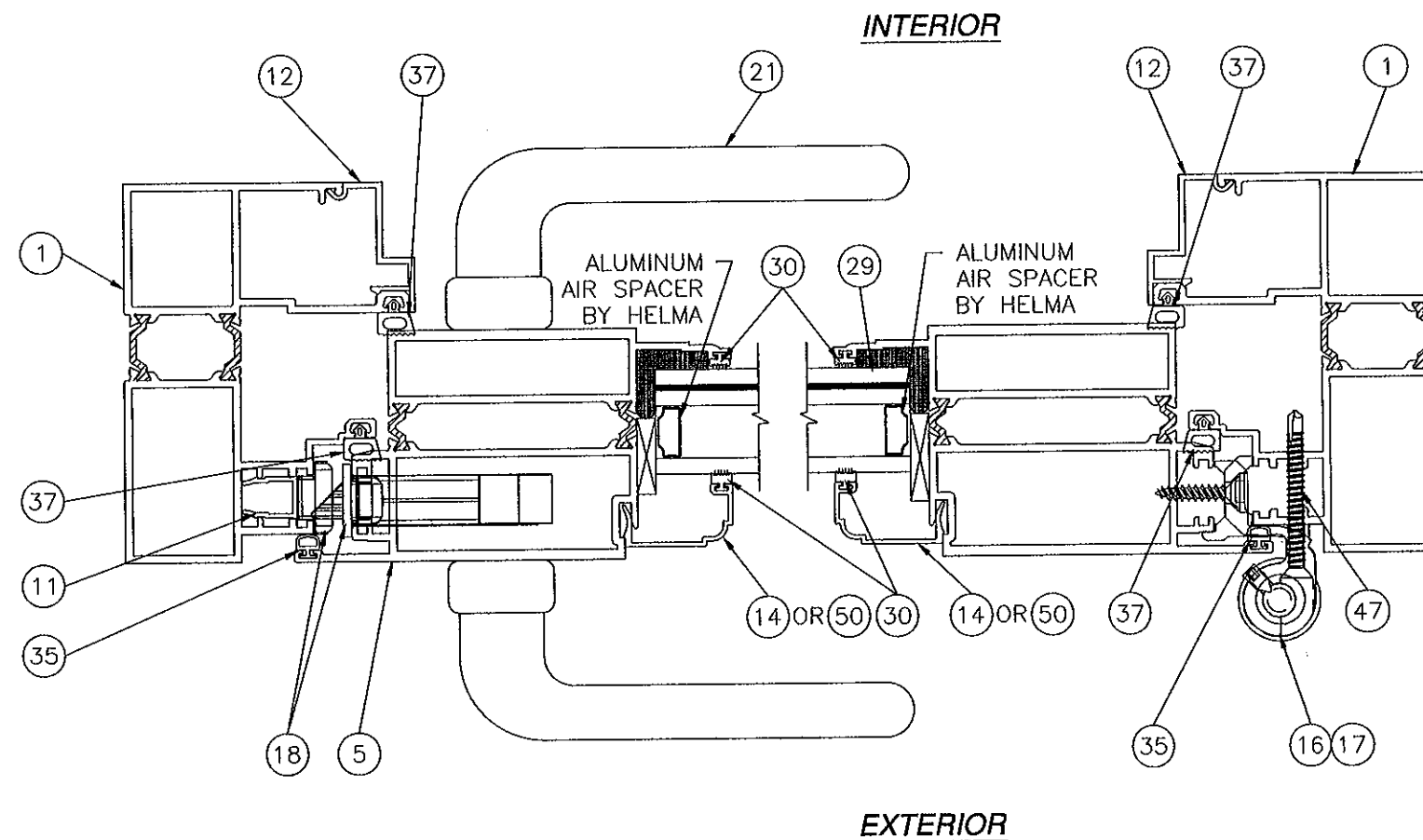
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SERIES 9050 THERMALLY BROKEN ALUMINUM  
OUTSWING TERRACE DOOR - LMI  
VERTICAL CROSS SECTIONS

DRAWN: TJH  
DWG NO. 08-01151  
REV B  
SCALE NTS  
DATE 11/09/10  
SHEET 4 OF 14

Luis R. Lomas P.E.  
Florida No. 62514

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A	PER DADE LETTER DATED MARCH 08, 2011	04/07/11	R.L.
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FRAME CONSTRUCTION:  
FRAME CORNERS ARE COPED AND BUTTED. JAMBS ARE ATTACHED TO HEAD, STANDARD SILL AND ADA SILL USING (2) #10 x 1 1/4" PH SQUARE DRIVE LEAD POINT SS SCREWS, ITEM #33, AT EACH CORNER.

PANEL CONSTRUCTION:  
STANDARD BOTTOM RAIL IS ATTACHED TO STILES WITH (4) #8 x 1" PH SQUARE DRIVE LEAD POINT SS SCREWS, (2) AT INTERIOR EXTRUSION AND (2) AT EXTERIOR EXTRUSION.

TALL BOTTOM RAIL IS ATTACHED TO STILES WITH (7) #8 x 1" PH SQUARE DRIVE LEAD POINT SS SCREWS, (4) AT INTERIOR EXTRUSION AND (3) AT EXTERIOR EXTRUSION.

TOP RAIL IS ATTACHED TO STILES WITH (4) #8 x 1" PH SQUARE DRIVE LEAD POINT SS SCREWS, (2) AT INTERIOR EXTRUSION AND (2) AT EXTERIOR EXTRUSION.

WHEN ADA SILL IS USED BOTTOM RAIL IS FITTED WITH ADA BOTTOM RAIL ADAPTER ASSEMBLY, ITEM #10. ADA BOTTOM RAIL ADAPTER IS SNAP FIT TO BOTTOM RAIL AND ATTACHED TO STILES WITH (2) #8 x 1" PH SQUARE DRIVE LEAD POINT SS SCREWS.

**D**  
**5** HORIZONTAL CROSS SECTION  
OUTSWING DOOR

Approved as complying with the  
Florida Building Code  
Date 8/25/11  
NOA# 11-0525-04  
Miami State Product Control  
By Ismael J. Lomas

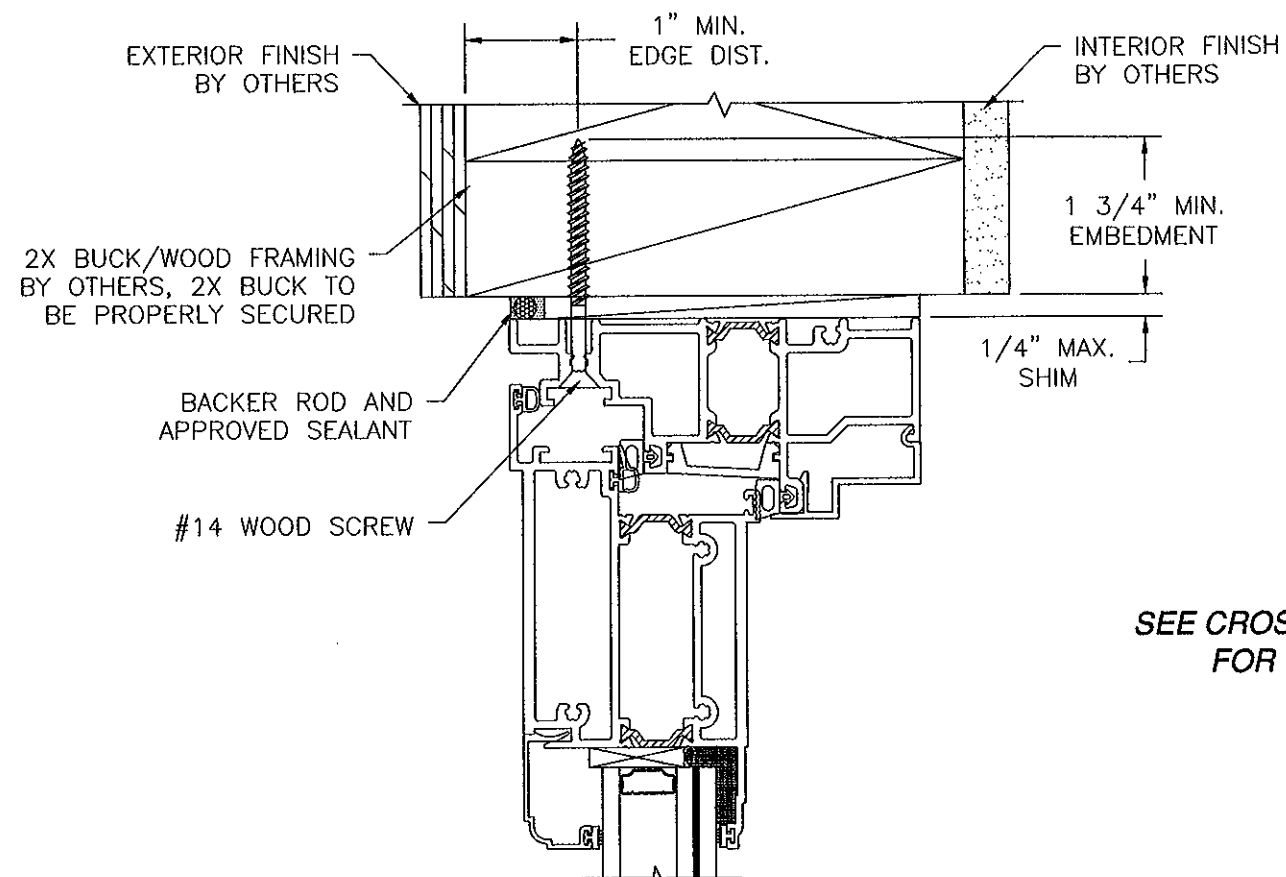
**WinDoor**  
INCORPORATED

7500 AMSTERDAM DRIVE  
ORLANDO, FL 32832  
Phone: 407.481.8400  
Fax: 407.481.0505  
www.windoorinc.com

SERIES 9050 THERMALLY BROKEN ALUMINUM  
OUTSWING TERRACE DOOR - LMI  
HORIZONTAL CROSS SECTIONS

DRAWN: TJH	DWG NO. 08-01151	REV B
SCALE NTS	DATE 11/09/10	SHEET 5 OF 14

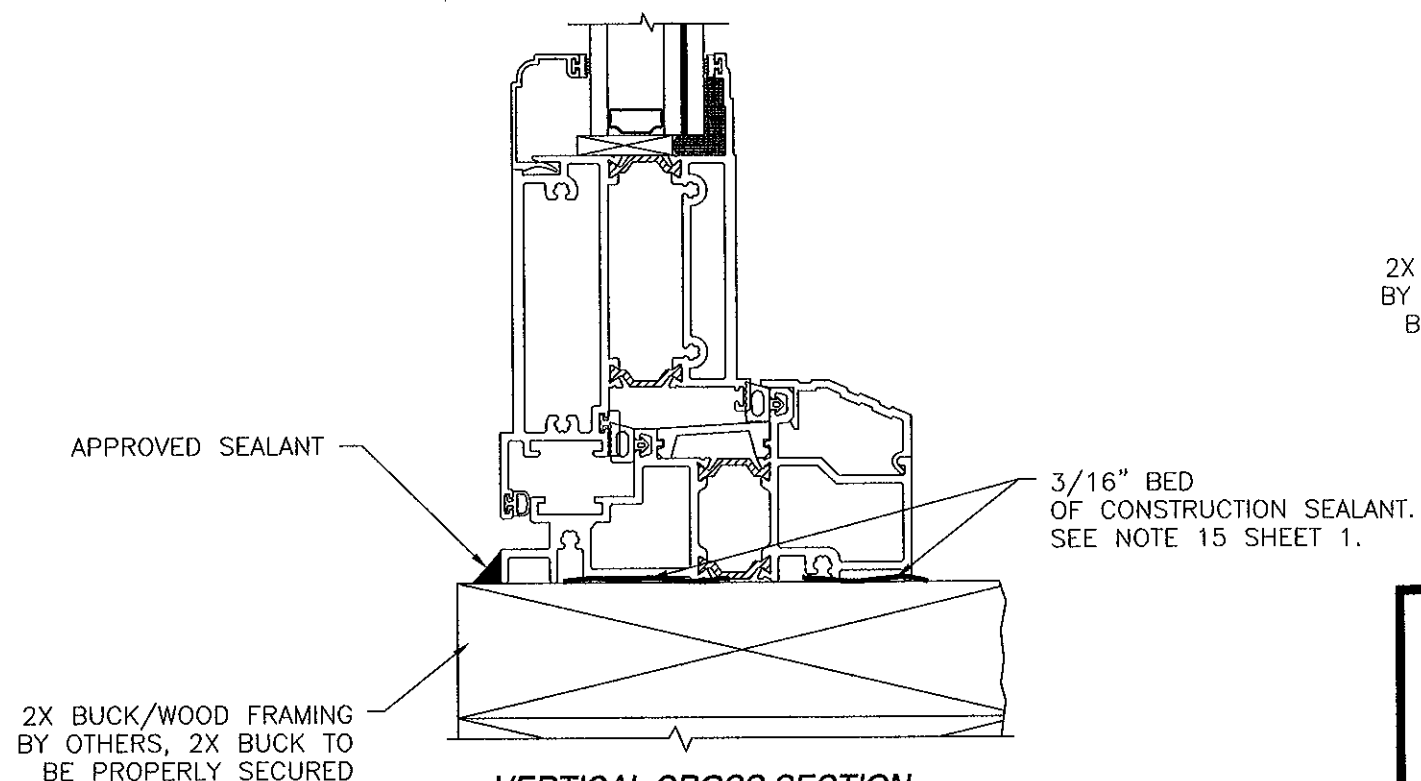
Luis R. Lomas P.E.  
Florida No. 62514



EXTERIOR

INTERIOR

SEE CROSS SECTIONS SHEETS 4 AND 5 FOR COMPONENT CALLOUTS.



**VERTICAL CROSS SECTION**  
2X BUCK/WOOD FRAMING INSTALLATION  
STANDARD SILL WITH  
STANDARD BOTTOM RAIL SHOWN,  
TALL BOTTOM ALSO APPROVED

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MARCH 08, 2011	04/07/11	R.L.
B	REVISED PER MD COMMENTS	06/15/11	R.L.

EXTERIOR

INTERIOR

3/16" BED OF CONSTRUCTION SEALANT. SEE NOTE 15 SHEET 1.

APPROVED SEALANT

2X BUCK/WOOD FRAMING BY OTHERS, 2X BUCK TO BE PROPERLY SECURED

**VERTICAL CROSS SECTION**  
2X BUCK/WOOD FRAMING INSTALLATION  
ADA SILL, ADAPTER WITH  
TALL BOTTOM RAIL

Approved as complying with the  
Florida Building Code  
Date: 6/28/11  
MDAS 11-4525.04  
Miami Code Product Control  
By: [Signature]

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INCORPORATED

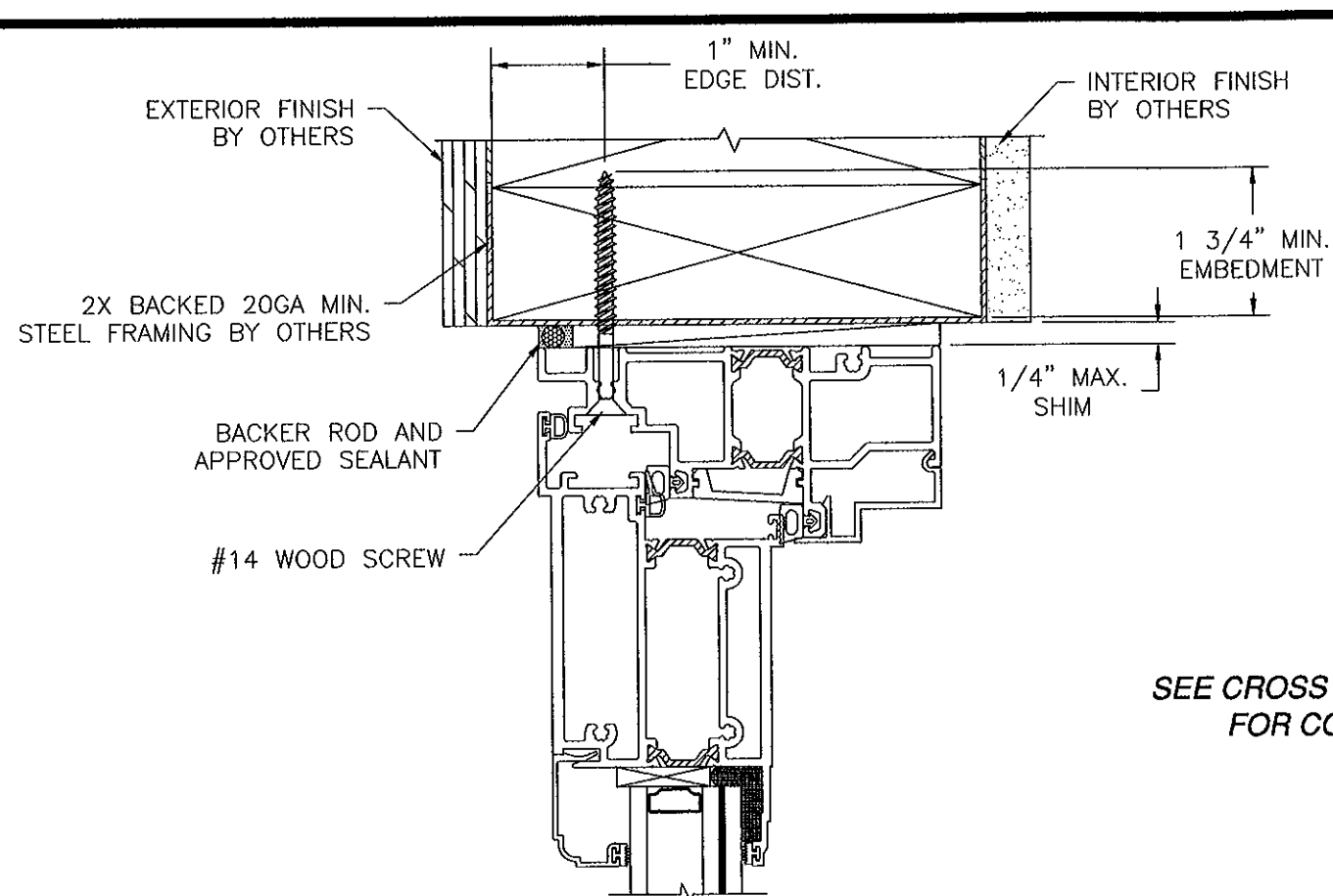
7500 AMSTERDAM DRIVE  
ORLANDO, FL 32832  
Phone: 407.481.8400  
Fax: 407.481.0505  
www.windoorinc.com

SERIES 9050 THERMALLY BROKEN ALUMINUM  
OUTSWING TERRACE DOOR - LMI  
INSTALLATION DETAILS

DRAWN: TJH  
DWG NO. 08-01151  
SCALE NTS  
DATE 11/09/10  
SHEET 6 OF 14

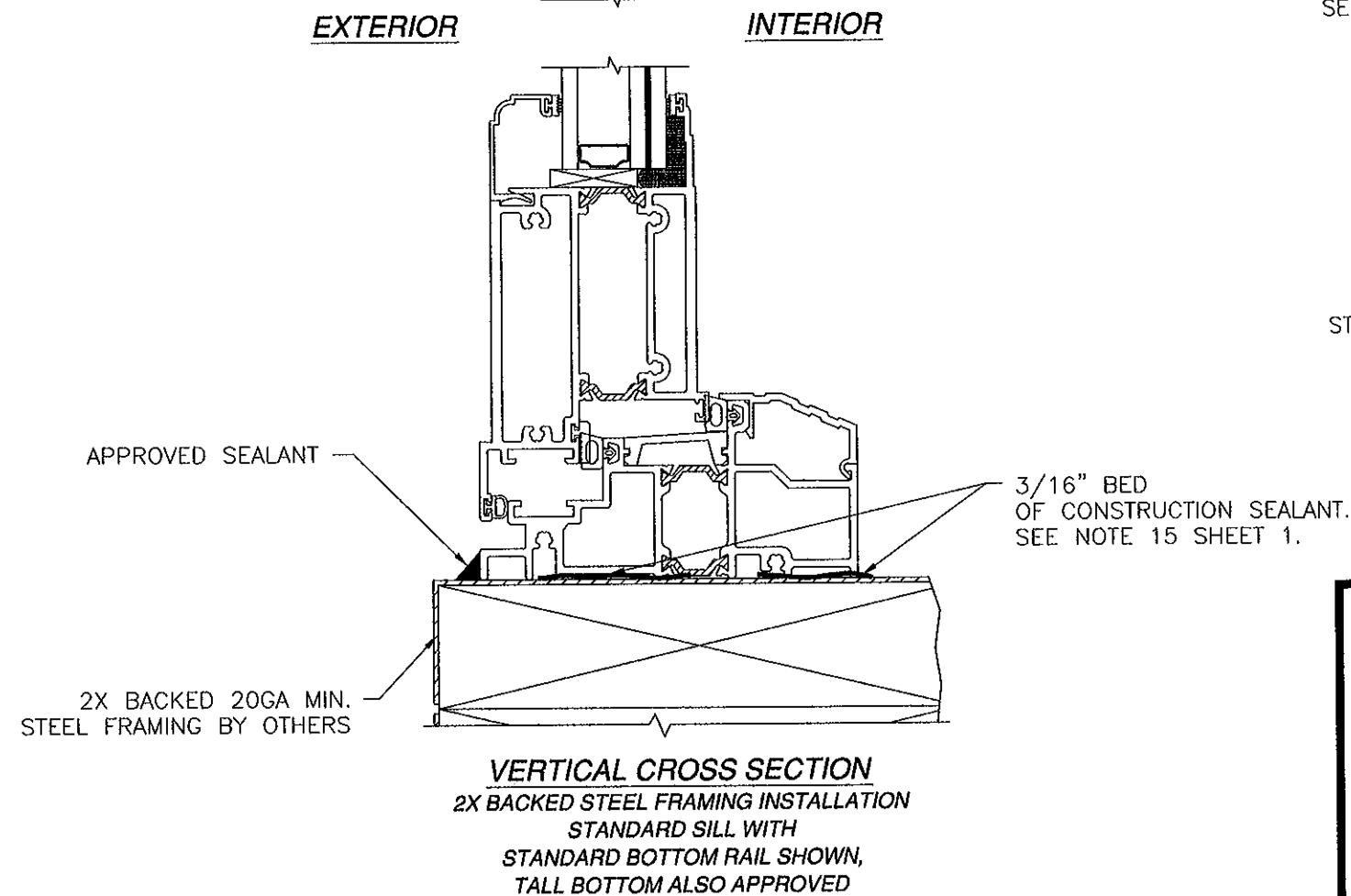
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6/21/11  
Luis R. Lomas P.E.  
Florida No. 62514





SEE CROSS SECTIONS SHEETS 4 AND 5  
FOR COMPONENT CALLOUTS.

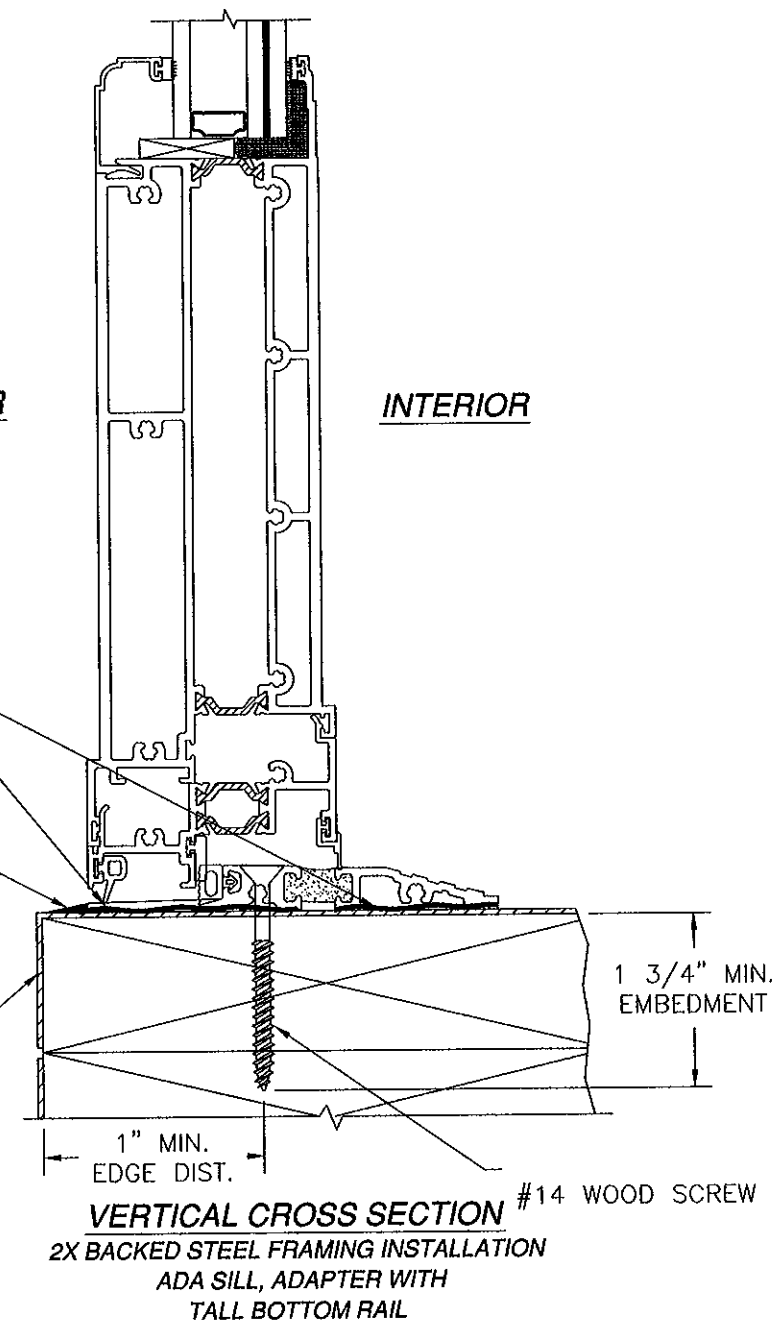
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MARCH 08, 2011	04/07/11	R.L.
B	REVISED PER MD COMMENTS	06/15/11	R.L.



3/16" BED  
OF CONSTRUCTION SEALANT.  
SEE NOTE 15 SHEET 1.

APPROVED SEALANT

2X BACKED 20GA MIN.  
STEEL FRAMING BY OTHERS



Approved as complying with the  
Florida Building Code  
Date: 6/25/11  
NOA# 11-0525-001  
Miami Dade Product Control  
By: [Signature]

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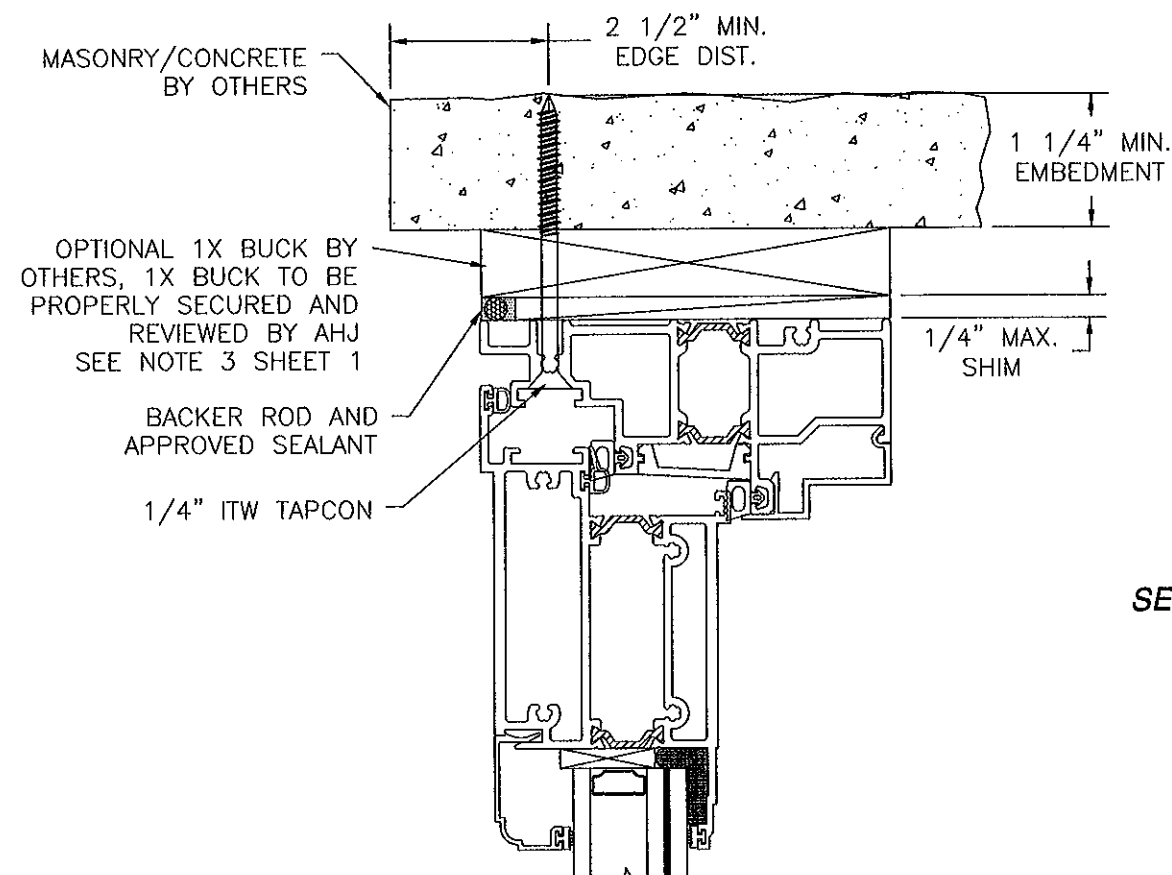
SERIES 9050 THERMALLY BROKEN ALUMINUM  
OUTSWING TERRACE DOOR - LMI  
INSTALLATION DETAILS

DRAWN: TJH  
SCALE NTS  
DATE 11/09/10  
DWG NO. 08-01151  
SHEET 7 OF 14  
REV B

[Signature]  
Luis R. Lomas P.E.  
Florida No. 62514

REVISIONS

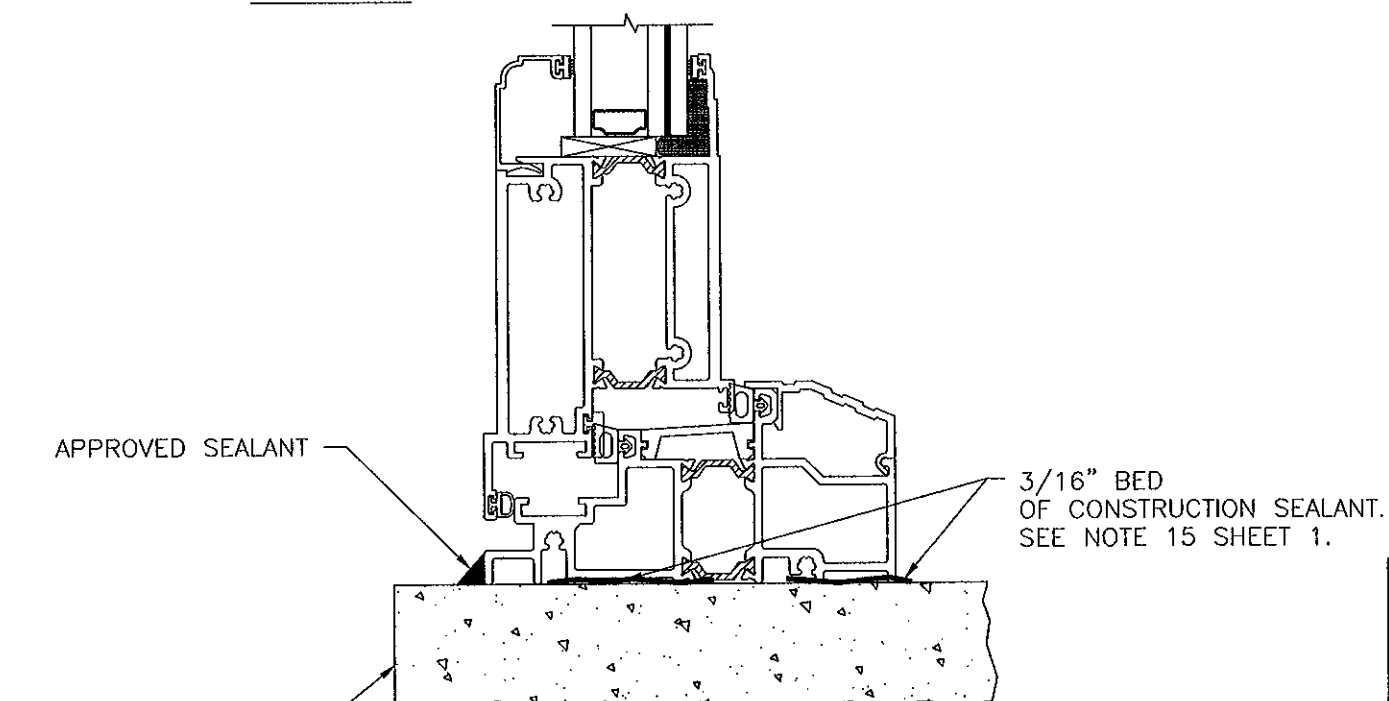
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MARCH 08, 2011	04/07/11	R.L.
B	REVISED PER MD COMMENTS	06/15/11	R.L.



EXTERIOR

INTERIOR

SEE CROSS SECTIONS SHEETS 4 AND 5  
FOR COMPONENT CALLOUTS.



MASONRY/CONCRETE  
BY OTHERS

**VERTICAL CROSS SECTION**  
MASONRY/CONCRETE INSTALLATION  
STANDARD SILL WITH  
STANDARD BOTTOM RAIL SHOWN,  
TALL BOTTOM ALSO APPROVED

3/16" BED  
OF CONSTRUCTION SEALANT  
SEE NOTE 15 SHEET 1

APPROVED SEALANT

MASONRY/CONCRETE  
BY OTHERS

EXTERIOR

INTERIOR

**VERTICAL CROSS SECTION**  
MASONRY/CONCRETE INSTALLATION  
ADA SILL, ADAPTER WITH  
TALL BOTTOM RAIL

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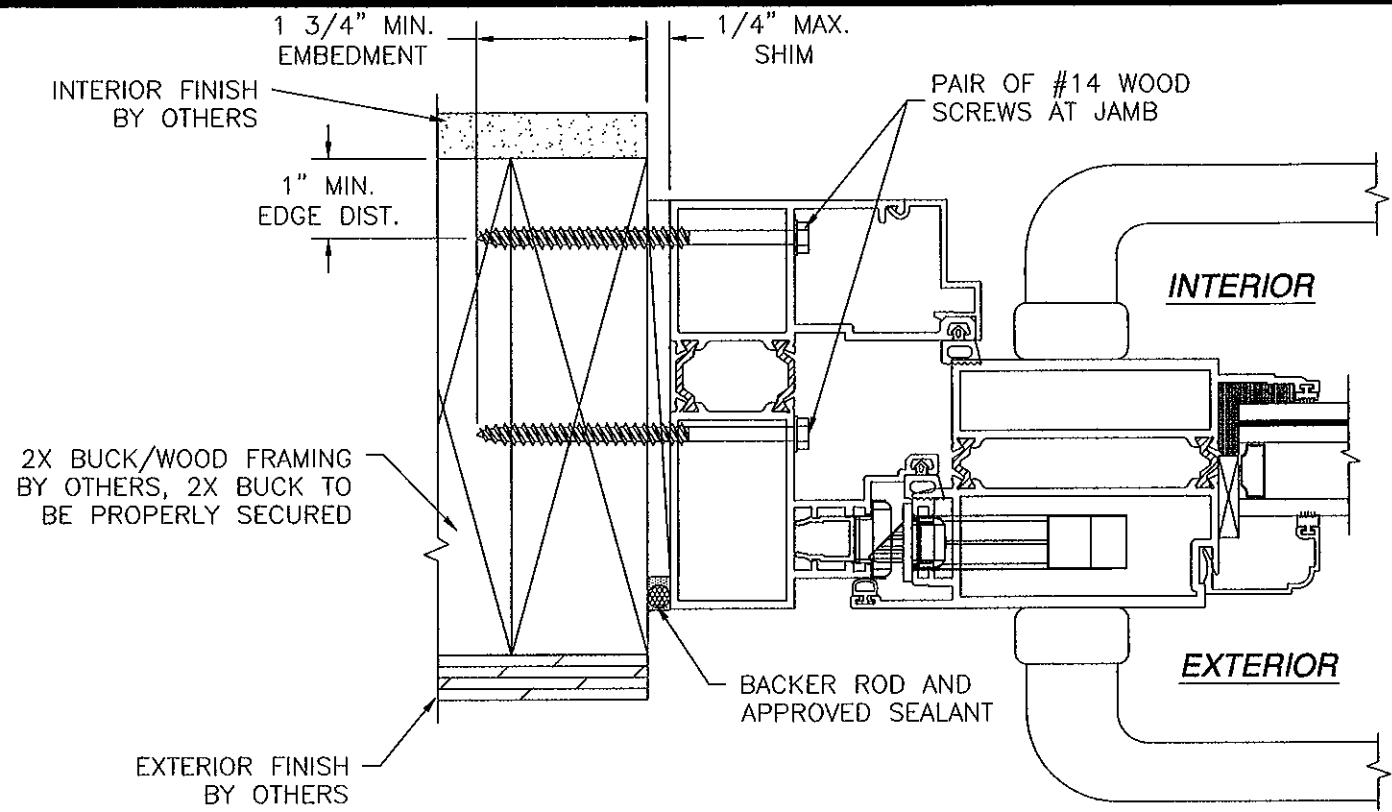
SERIES 9050 THERMALLY BROKEN ALUMINUM  
OUTSWING TERRACE DOOR - LMI  
INSTALLATION DETAILS

DRAWN: TJH	DWG. NO. 08-01151	REV B
SCALE NTS	DATE 11/09/10	SHEET 8 OF 14

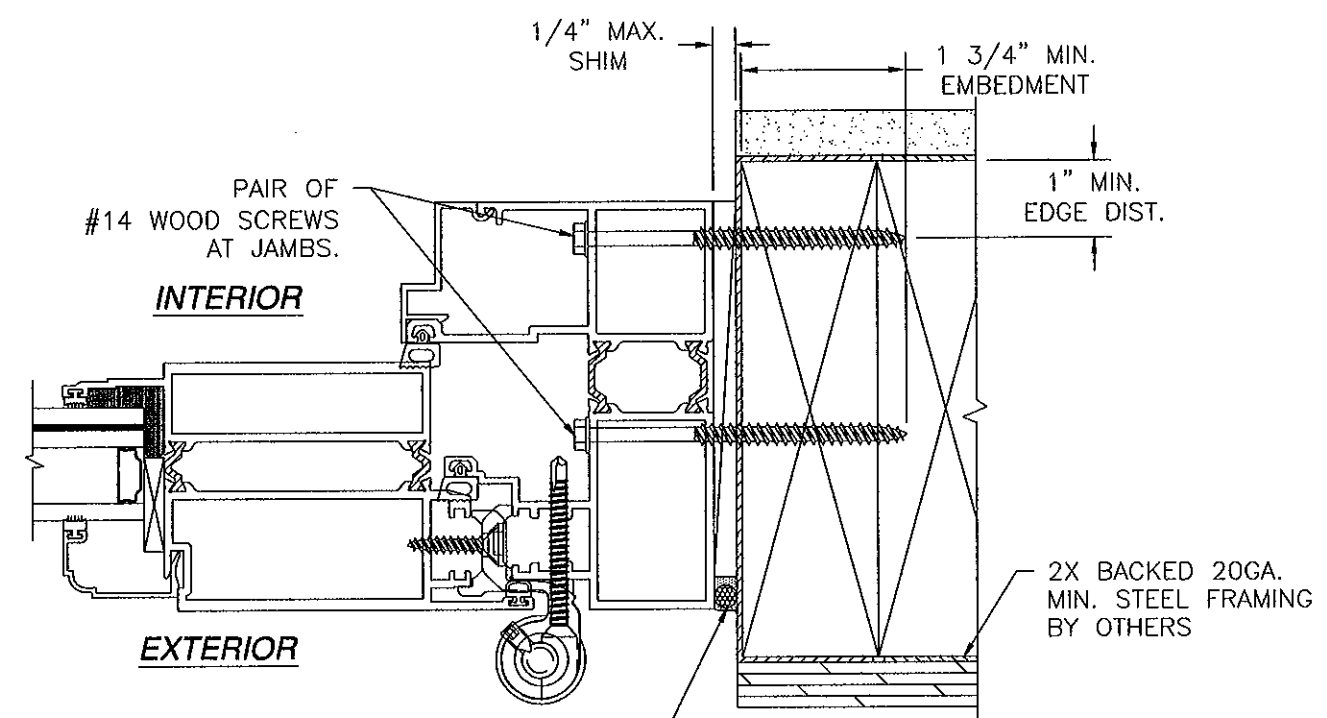
Approved as complying with the  
Florida Building Code  
Date 8/25/11  
NOA# 11-0525.04  
Miami Dade Product Control  
By [Signature]

[Signature]  
Luis R. Lomas P.E.  
Florida No. 62514

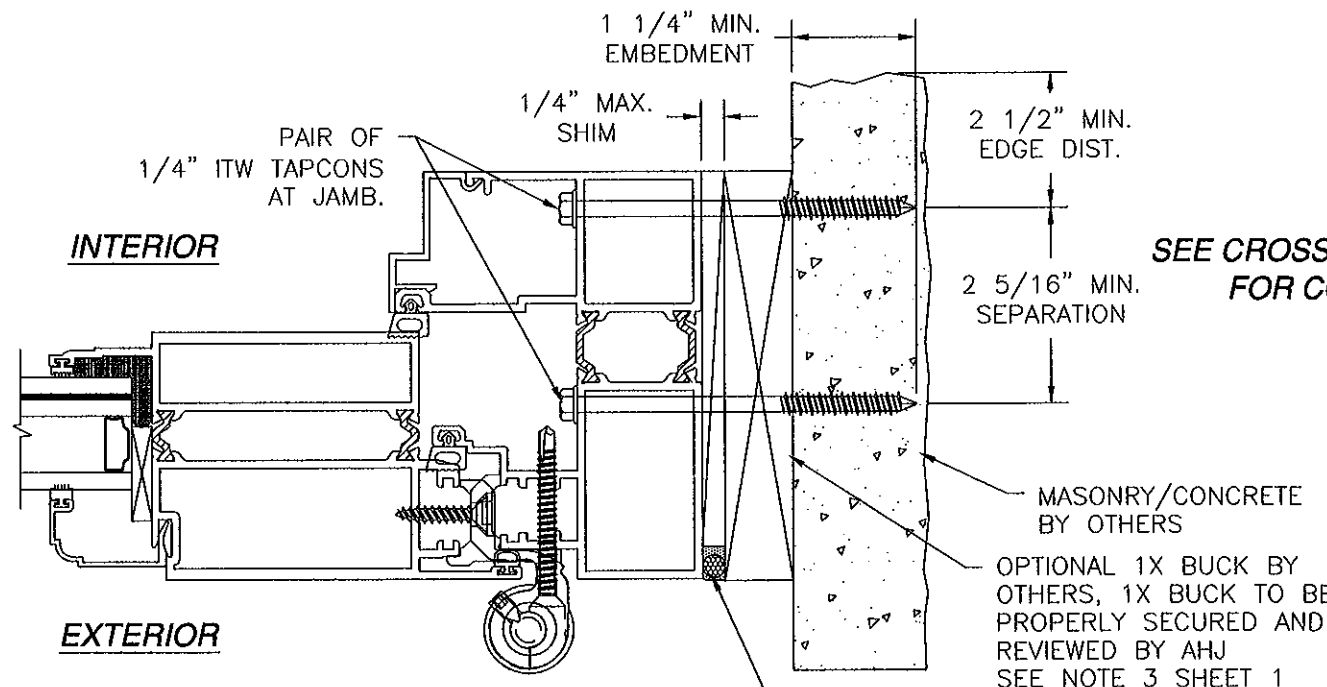
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MARCH 08, 2011	04/07/11	R.L.
B	REVISED PER MD COMMENTS	06/15/11	R.L.



**HORIZONTAL CROSS SECTION**  
 2X BUCK/WOOD FRAMING INSTALLATION  
 STRIKE JAMB SHOWN  
 HINGE JAMB SIMILAR



**HORIZONTAL CROSS SECTION**  
 2X BACKED STEEL FRAMING INSTALLATION  
 HINGE JAMB SHOWN  
 STRIKE JAMB SIMILAR



**HORIZONTAL CROSS SECTION**  
 MASONRY/CONCRETE INSTALLATION  
 HINGE JAMB SHOWN  
 STRIKE JAMB SIMILAR

SEE CROSS SECTIONS SHEETS 4 AND 5  
 FOR COMPONENT CALLOUTS.

Approved as complying with the  
 Florida Building Code  
 Date: 5/25/11  
 NOA# 11-0525-04  
 Miami Code Product Control  
 By: [Signature]

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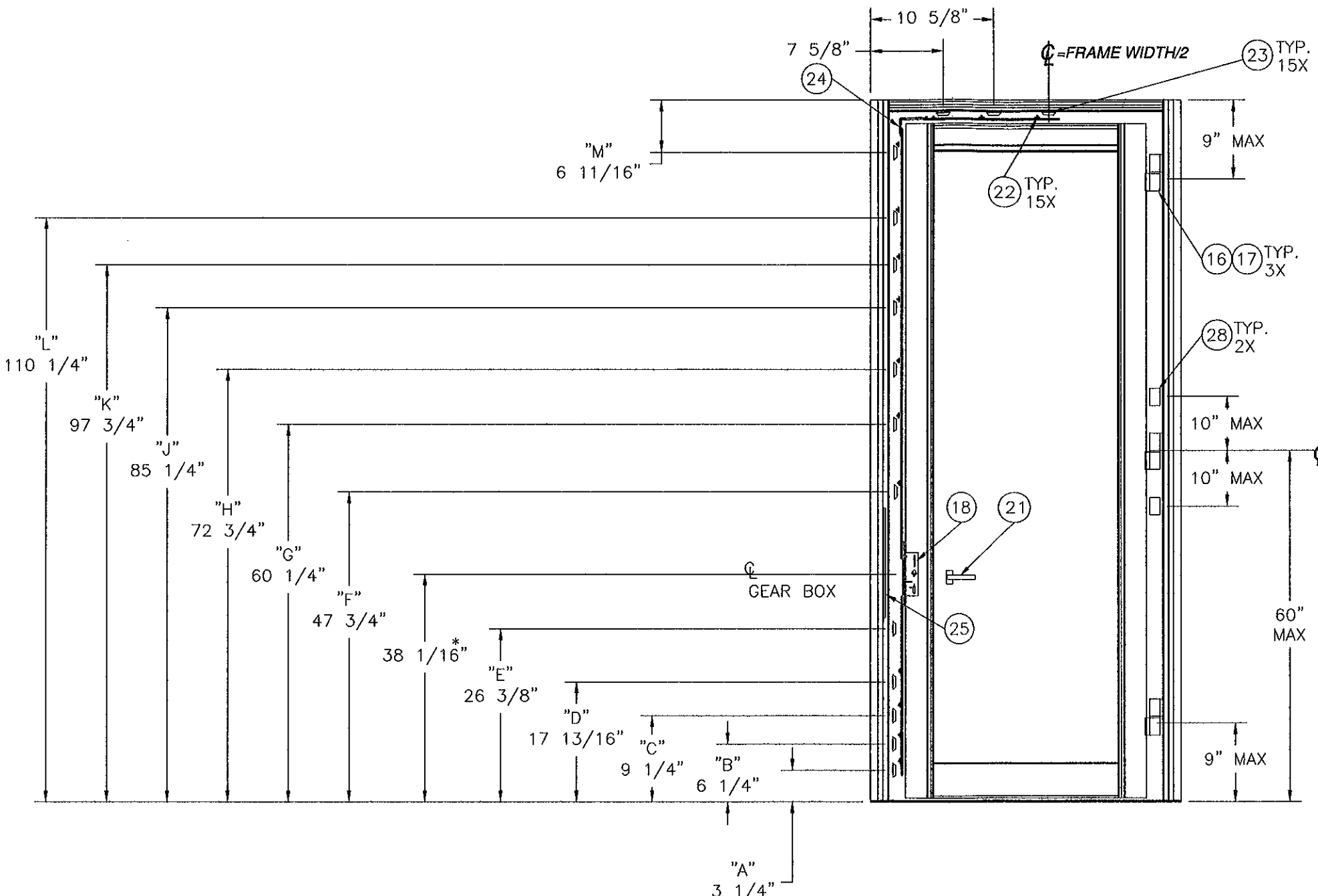
7500 AMSTERDAM DRIVE  
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 Phone: 407.481.8400  
 Fax: 407.481.0505  
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SERIES 9050 THERMALLY BROKEN ALUMINUM  
 OUTSWING TERRACE DOOR - LMI  
 INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-01151	REV B
SCALE NTS	DATE 11/09/10	SHEET 9 OF 14

[Signature]  
 6/21/11  
 Luis R. Lomas P.E.  
 Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MARCH 08, 2011	04/07/11	R.L.
B	REVISED PER MD COMMENTS	06/15/11	R.L.



NOTE:  
DIMENSIONS MARKED WITH \* ARE CENTER OF  
LEVER ACTIVATED GEAR BOX. ALL OTHER  
DIMENSIONS ARE CENTER OF KEEPERS.

REQUIRED EUROGROOVE KEEPER LOCATIONS  
PER DOOR HEIGHT WITH ADA SILL:

80" HIGH = A THRU H AND M  
84" HIGH = A THRU H AND M  
96" HIGH = A THRU J AND M  
108" HIGH = A THRU K AND M  
120" HIGH = A THRU M

**SERIES 9050 THERMALLY BROKEN ALUMINUM  
OUTSWING TERRACE DOOR WITH ADA SILL**  
EXTERIOR VIEW

Approved as complying with the  
Florida Building Code  
Date: 8/28/11  
NOA# 11-0525-04  
Miami Dade Product Control  
By: L. S. H. J. L. L. L. L.

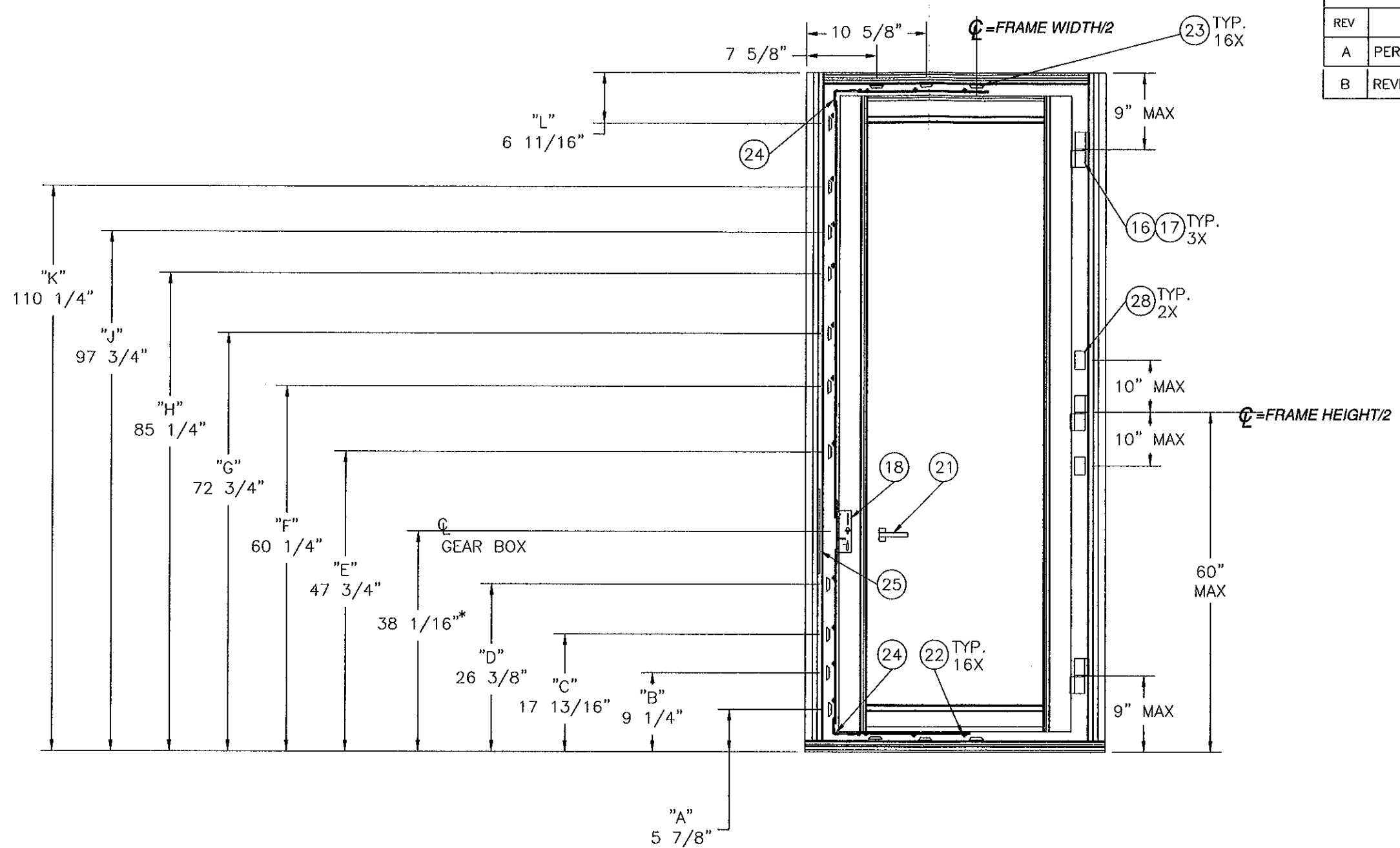
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SERIES 9050 THERMALLY BROKEN ALUMINUM  
OUTSWING TERRACE DOOR - LMI  
HARDWARE LAYOUTS

DRAWN: TJH  
SCALE: NTS  
DATE: 11/09/10  
DWG NO.: 08-01151  
SHEET: 10 OF 14  
REV: B

*[Signature]*  
6/21/11  
Luis R. Lomas P.E.  
Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MARCH 08, 2011	04/07/11	R.L.
B	REVISED PER MD COMMENTS	06/15/11	R.L.



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DIMENSIONS ARE CENTER OF KEEPERS.

REQUIRED EUROGROOVE KEEPER LOCATION PER  
DOOR HEIGHT WITH STANDARD SILL:

80" HIGH = A THRU G AND L  
84" HIGH = A THRU G AND L  
96" HIGH = A THRU H AND L  
108" HIGH = A THRU J AND L  
120" HIGH = A THRU L

**SERIES 9050 THERMALLY BROKEN ALUMINUM  
OUTSWING TERRACE DOOR WITH STANDARD SILL**  
EXTERIOR VIEW

Approved as complying with the  
Florida Building Code  
Date: 8/25/11  
NOA# 11-2525-04  
Miami Dade Product Control  
By: Lshag L. Landa

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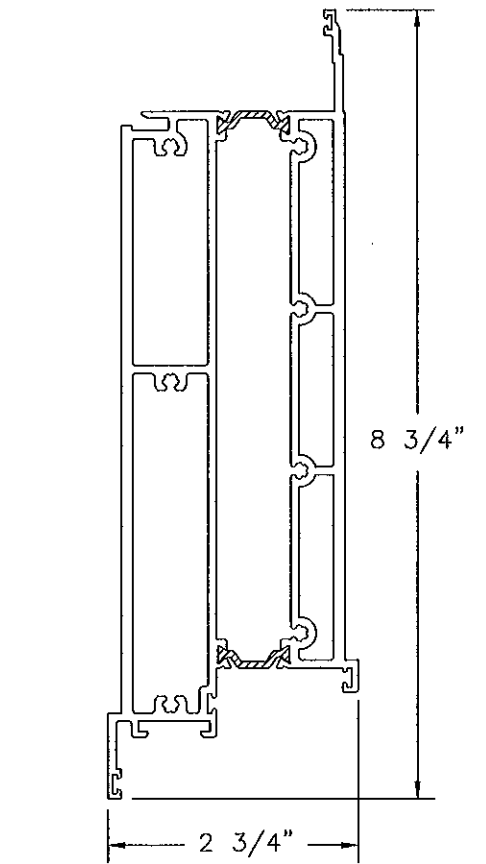
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SERIES 9050 THERMALLY BROKEN ALUMINUM  
OUTSWING TERRACE DOOR - LMI  
HARDWARE LAYOUTS

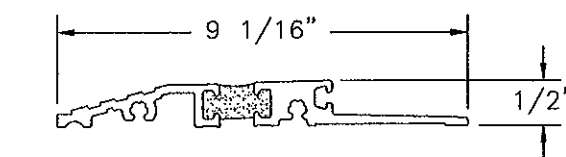
DRAWN: TJH	DWG NO. 08-01151	REV B
SCALE NTS	DATE 11/09/10	SHEET 11 OF 14

*Luis R. Lomas*  
6/21/11  
Luis R. Lomas P.E.  
Florida No. 62514

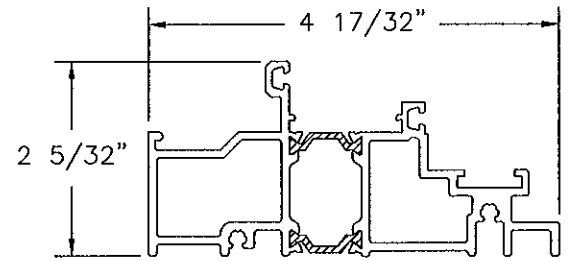
REVISIONS			
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B	REVISED PER MD COMMENTS	06/15/11	R.L.



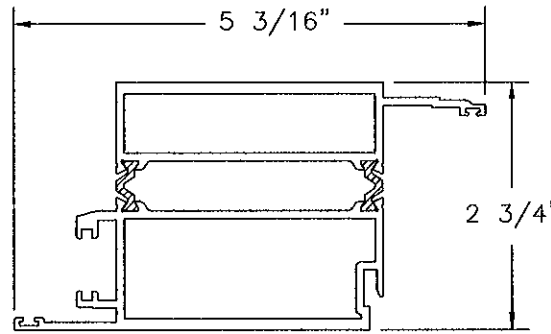
8 **TALL BOTTOM RAIL ASSEMBLY**  
EXTRUDED ALUMINUM 6063-T6 .090" THICK



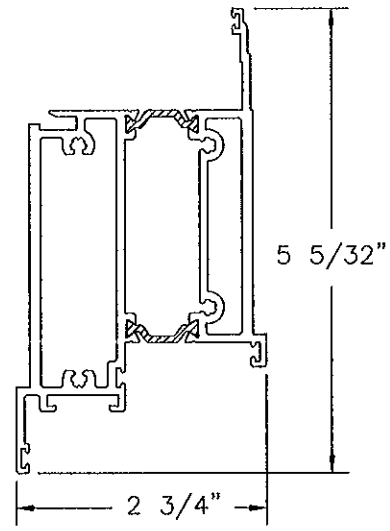
3 **ADA SILL ASSEMBLY**  
EXTRUDED ALUMINUM 6063-T6 .090" THICK  
WITH POUR AND DEBRIDGE THERMAL BREAK



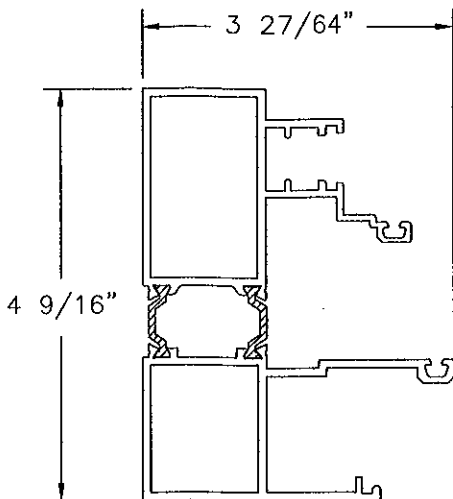
2 **FRAME HEAD & STANDARD SILL ASSEMBLY**  
EXTRUDED ALUMINUM 6063-T6 .090" THICK



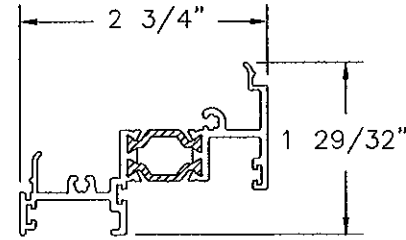
4 **STILE ASSEMBLY**  
EXTRUDED ALUMINUM 6063-T6 .090" THICK



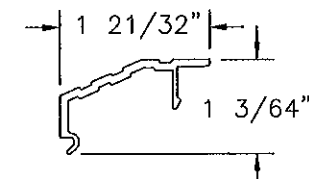
6 **TOP & BOTTOM RAIL ASSEMBLY**  
EXTRUDED ALUMINUM 6063-T6 .090" THICK



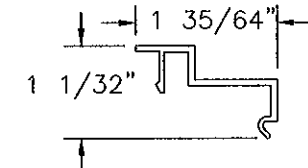
1 **FRAME JAMB ASSEMBLY**  
EXTRUDED ALUMINUM 6063-T6 .090" THICK



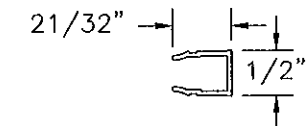
10 **ADA BOTTOM RAIL ADAPTER ASSEMBLY**  
EXTRUDED ALUMINUM 6063-T6 .080" THICK



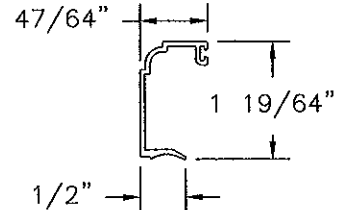
13 **STANDARD SILL COVER PLATE**  
EXTRUDED ALUMINUM 6063-T6 .090" THICK



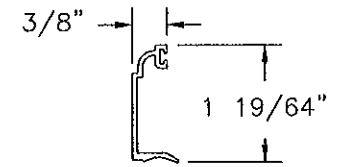
12 **JAMB & HEAD COVER PLATE**  
EXTRUDED ALUMINUM 6063-T6 .070" THICK



11 **EURO FRAME GROOVE COVER**  
EXTRUDED ALUMINUM 6063-T6 .050" THICK



14 **GLASS STOP 1.25"**  
EXTRUDED ALUMINUM 6063-T6 .050" THICK



50 **GLASS STOP 1.625"**  
EXTRUDED ALUMINUM 6063-T6 .050" THICK  
(TRIPLE GLAZED UNITS)

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Florida Building Code  
Date: 8/28/11  
By: [Signature]  
Miami Dade Product Control

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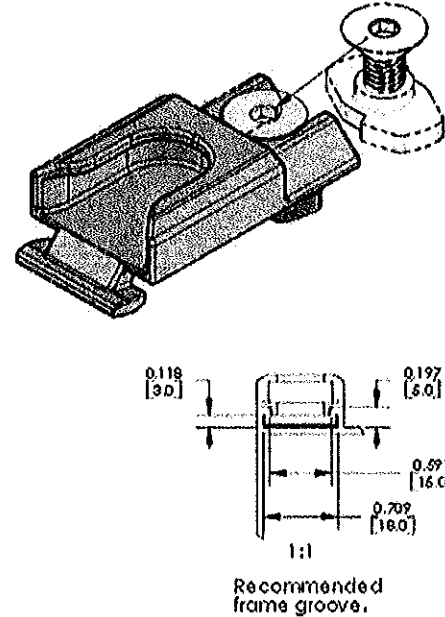
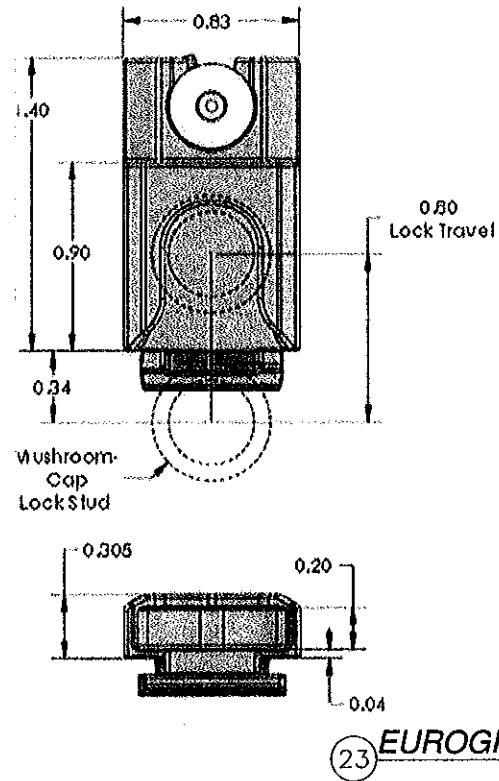
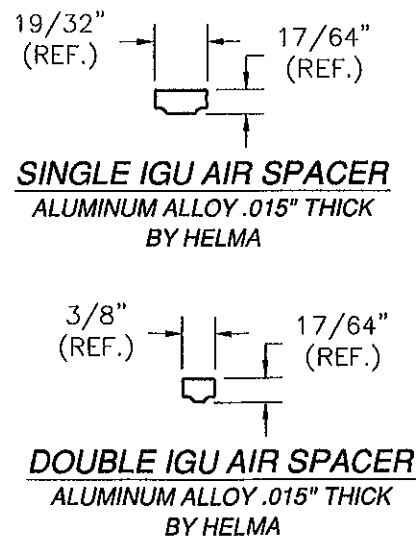
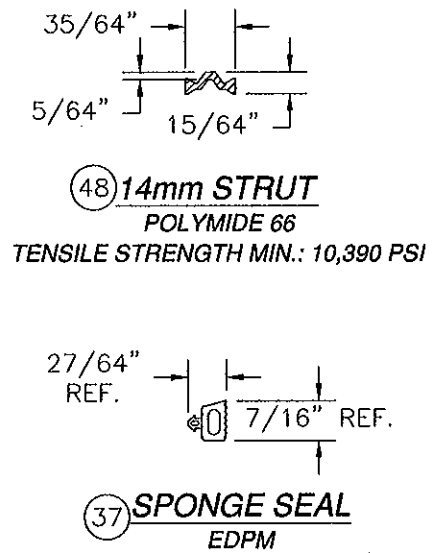
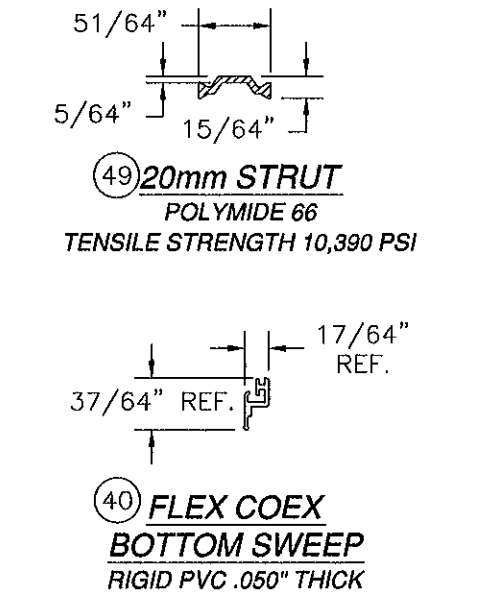
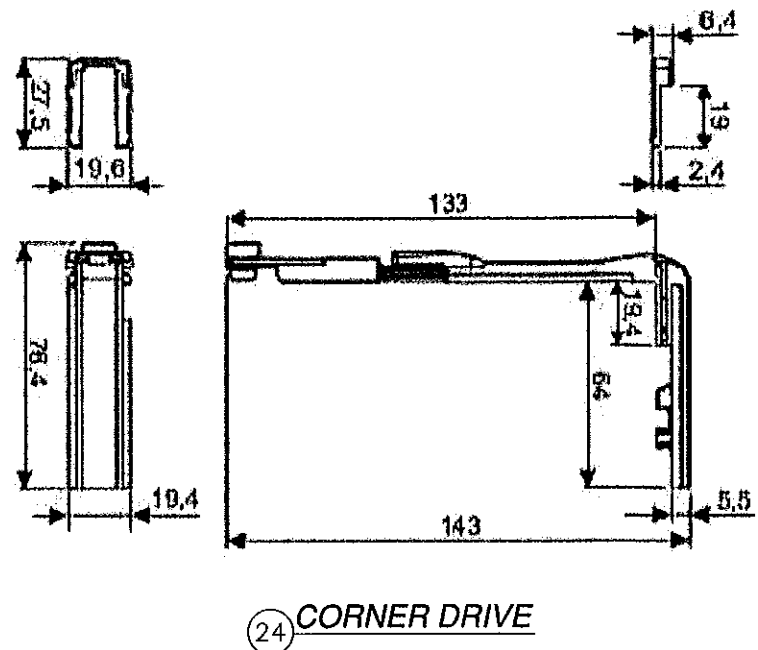
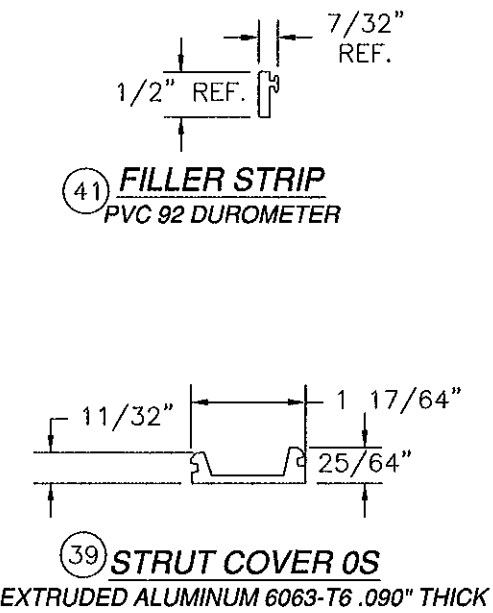
7500 AMSTERDAM DRIVE  
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Fax: 407.481.0505  
www.windoorinc.com

SERIES 9050 THERMALLY BROKEN ALUMINUM  
OUTSWING TERRACE DOOR - LMI  
COMPONENTS

DRAWN: TJH	DWG NO. 08-01151	REV B
SCALE NTS	DATE 11/09/10	SHEET 12 OF 14

[Signature]  
6/21/11  
Luis R. Lomas, P.E.  
Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MARCH 08, 2011	04/07/11	R.L.
B	REVISED PER MD COMMENTS	06/15/11	R.L.



Approved as complying with the Florida Building Code  
Date: 8/28/11  
NOA# 11-0525-04  
Miami Code Product Control  
By: /s/ Shag I. Lhanda

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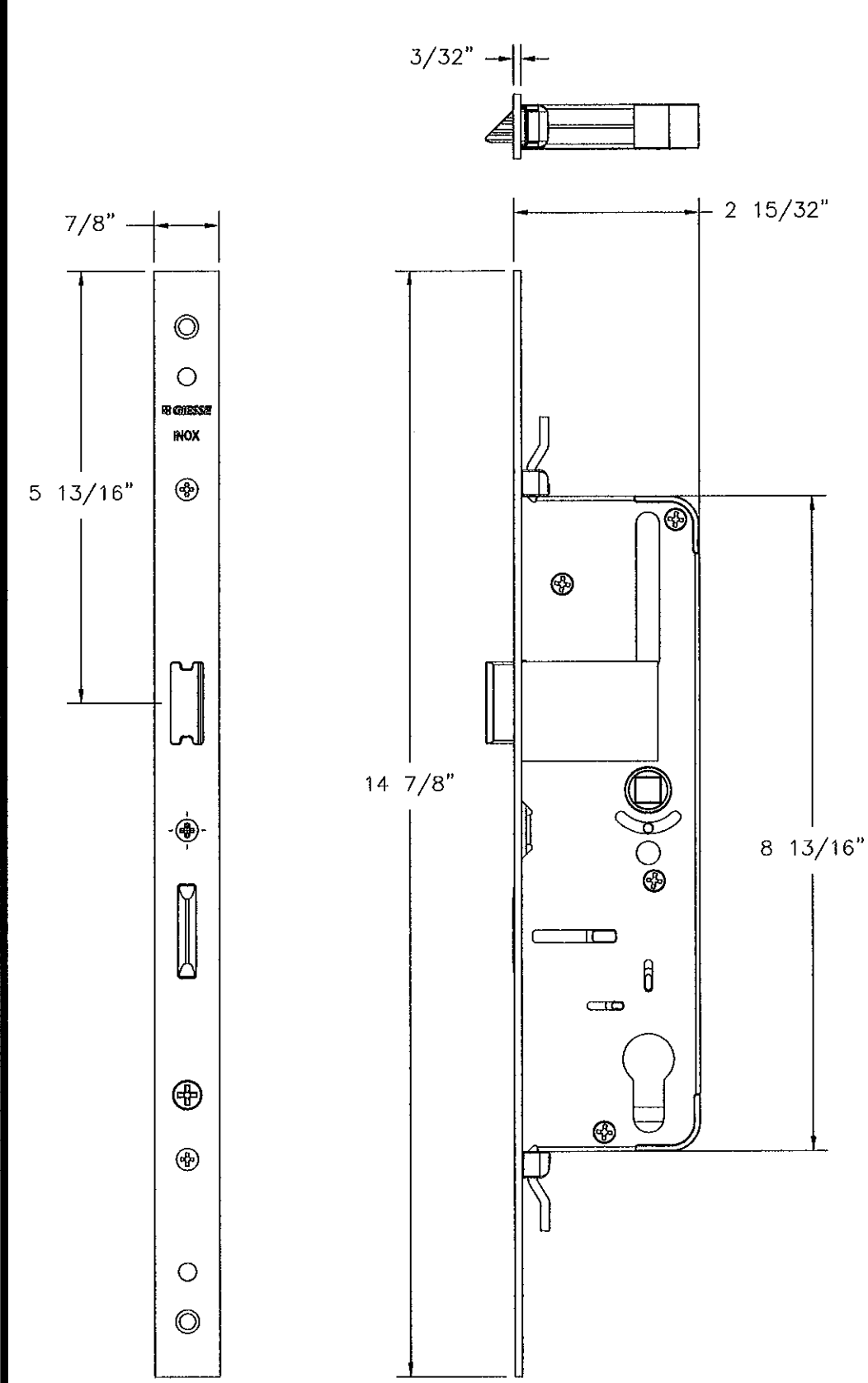
7500 AMSTERDAM DRIVE  
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OUTSWING TERRACE DOOR – LMI  
COMPONENTS

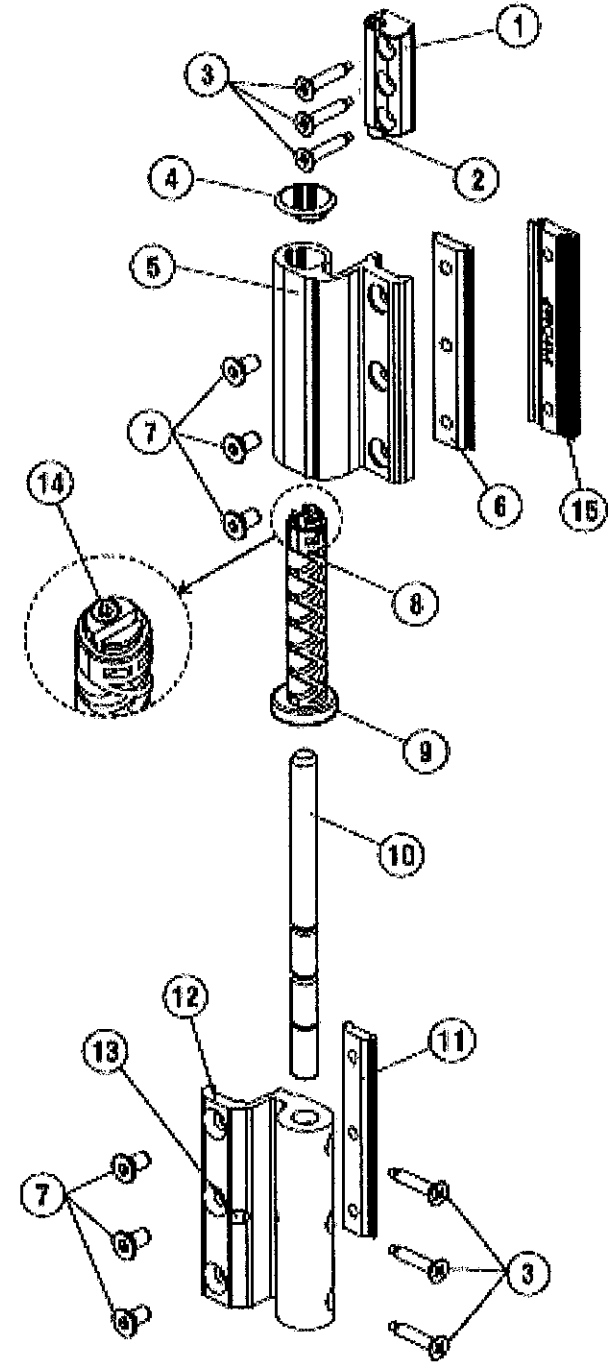
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SCALE NTS	DATE 11/09/10	SHEET 13 OF 14

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6/21/11  
R.L. 080613  
Luis R. Lomas P.E.  
Florida No. 62514

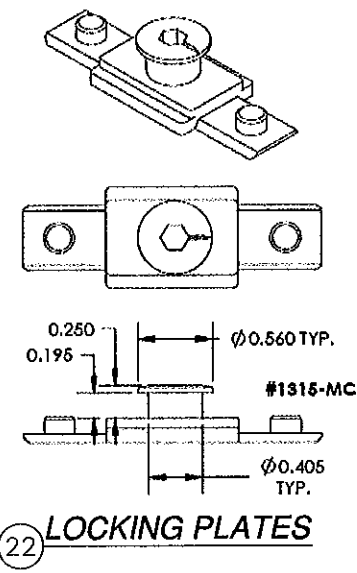
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REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MARCH 08, 2011	04/07/11	R.L.
B	REVISED PER MD COMMENTS	06/15/11	R.L.



18 LEVEL ACTIVATED GEAR BOX

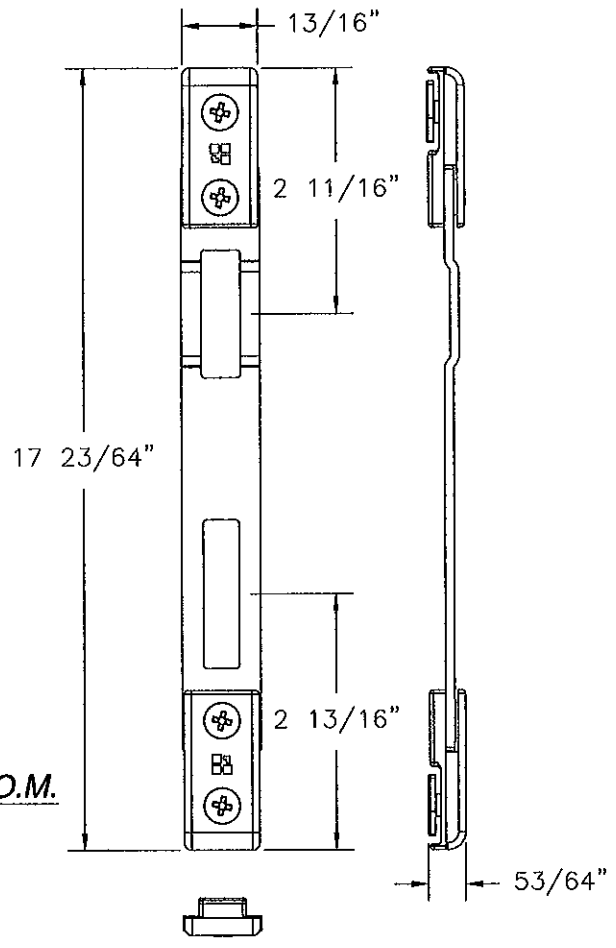


16 FLASH XXL GIESSE DOOR HINGE



OUTSWING DOOR GIESSE HINGE B.O.M.

1. HEIGHT ADJUSTMENT PLATE
2. GRUB SCREW FOR WING RAISING
3. #10 x 2" TEK SCREW
4. CAP
5. FM HINGE PART
6. FIXING PLATE FOR FM HINGE
7. FIXING SCREWS M6 x 12
8. ECCENTRIC BUSHING
9. BEARING
10. PIN
11. PLATE FOR MX HINGE FIXING
12. MX HINGE PART
13. GRUB SCREW FOR PIN LOCKING
14. GRUB SCREW FOR BUSHING BLOCKING
15. PRELOAD PLATE



18 STRIKE PLATE

Approved as complying with the  
Florida Building Code  
Date: 8/26/11  
NOA# 11-0525.04  
Miami Dade Product Control  
By: [Signature]

**WinDoor**  
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OUTSWING TERRACE DOOR - LMI  
COMPONENTS

DRAWN: TJH	DWG NO. 08-01151	REV. B
SCALE NTS	DATE 11/09/10	SHEET 14 OF 14

[Signature]  
Luis R. Lomas P.E.  
Florida No. 62514